

Your Optimus High-Power In-Dash AM/FM Stereo CD Player has many practical, easy-to-use features, and you can install it in almost any vehicle. The stereo's anti-theft control panel lets you quickly remove it, making the stereo inoperative.

Memory tuning, seek and scan tuning, and FM optimizer circuitry all help make your stereo's operation simple and quick so you can drive safely.

Caution:

Use common sense. Do not change your stereo's settings in heavy traffic or during hazardous driving conditions.

CD PLAYER

Audible Search - lets you rapidly play a CD in either direction to locate a desired section of a track.

Shuffle 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.

AM/FM STEREO TUNER

Memory Tuning - lets you quickly store and tune up to 18 of your favorite stations (6 AM and 12 FM).

Auto Travel Programming - lets you automatically store the first 6 strong stations in each band (AM and FM) into a separate travel memory so you can quickly find local stations while traveling.

- Seek Tuning - searches forward or backward to the next strong station in the selected band. This makes finding a station quick and easy.
- Memory Scan Tuning - scans all stations stored in memory, playing for 5 seconds on each.
- LO/DX Button - lets you set the stereo to scan only strong local FM stations or both strong and weaker, distant FM stations.
- Band Button - lets you easily select AM or FM stations with the push of a button.
- Digital Synthesized Circuitry - gives you precise tuning and drive-free reception.
- 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.

GENERAL

- Anti-Theft Control Panel - lets you quickly remove and store the stereo control panel in the supplied carry case. This discourages theft because the stereo cannot operate without the control panel.
- Five Preset Equalizer Settings - provide you with common sound settings for enhancing rock, Jazz, pop, classical, or country and western music.
- Electronic Bass, Treble, Fader, and Balance Controls - Let you adjust high and low sounds and the balance between the left/right and front/rear

speakers by pressing a few buttons, so you can tailor the sound to suit your preferences.

Line-Out Jacks - make it easy to connect a booster.

We urge you to record your stereo's serial number here. The number is on the top panel of the stereo.

Serial Number: _____

The CD player in this stereo system 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.

BEFORE YOU BEGIN THE 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 of the stereo's wires is the power wire?

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.

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.

Notes:

This autosound stereo system is a DIN-E size unit that requires a 2 1/4 inch (57 mm) high by 7 1/2 inch (190 mm) wide by 7 1/4 inch (186 mm) deep mounting area.

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 Radio Shack store. Follow the installation kit's instructions to mount the stereo.

Cautions:

Make sure your vehicle's mounting area is at level as possible. If you cannot mount the stereo exactly level, make sure the stereo will not tilt up more than 30 degrees when it is mounted.

Be careful 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 it 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 Screw

The shipping screw helps protect the stereo's CD player from being damaged during shipment.

Before you mount the stereo, use a small Phillips screwdriver to remove the shipping screw from the top of the stereo.

Caution:

If you do not remove the shipping screw, you cannot remove the supplied sleeve from the stereo and the CD player will not work.

Note:

Save the shipping screw in case you ever want to mail or ship the stereo. You can secure it 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. Radio Shack will provide warranty service if you cut a wire and find the product is defective.

You might need additional wire, depending on your individual auto sound system, to complete the connections.

Your local Radio Shack 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.

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Be sure your speakers can handle 32 watts of power (16 watts power channel). Each speaker must have an impedance of at least 4 ohms. Your local Radio Shack 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.

Note:

The wiring harness has the following labels.

Using an Adapter Harness

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

Follow the directions that come with the adapter harness to temporarily connect the power and speakers.

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 battery's negative (-) 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 in-line fuse holder) 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 START 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 black transformer and in-line fuse holder) 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. It simply turns them on or off. If you do not use this wire, secure it with a wire tie and do not let it touch metal.

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 the stereo's LINE OUTPUT R-CH WHITE jacks and blue/white wire, if necessary, to the equalizer or booster.

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

Connecting One Pair of Speakers

If you are using only one pair of speakers, follow these steps to connect the harness with the 14-pin connector to the speakers.

Note:

The labels on the wiring harness are for a two-pair connection. For a one-pair connection, the labels are not correct.

1. Connect the grey wire to the right speaker's positive terminal. This terminal is usually marked with a plus (+) sign or red mark.
2. Connect the violet wire to the right speaker's negative terminal. This terminal might be marked with a minus (-) sign or it might not be marked at all.
3. Connect the white wire to the left speaker's positive terminal.
4. Connect the green wire to the left speaker's negative terminal.

Connecting Two Pairs of Speakers

If you are using both front and rear speakers, follow these steps to connect the harness with the 14-pin connector to the speakers.

1. Connect the grey wire to the right front speaker's positive terminal. This terminal is usually marked with a plus (+) sign or red mark.
2. Connect the grey/black wire to the right 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 white wire to the left front speaker's positive terminal.
4. Connect the white/black wire to the left front speaker's negative terminal.
5. Connect the violet wire to the right rear speaker's positive terminal.
6. Connect the violet/black wire to the right rear speaker's negative terminal.
7. Connect the green wire to the left rear speaker's positive terminal.
8. Connect the green/black wire to the left rear speaker's negative terminal.

Connecting the Antenna

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

Checking the Connections

Make sure you have securely made all connections before continuing with the installation.

Connecting the Battery and the Harness

Plug the harness' connector into the stereo's 14-pin wiring socket, then reconnect the cable to the vehicle battery's negative terminal.

TESTING THE CONNECTIONS

Turn on your vehicle's ignition, install your stereo's control panel and test the stereo.

The display should light when you press ON/OFF to turn on the stereo.

If the stereo does not work, immediately disconnect the cable from your vehicle battery's negative (-) terminal. Then recheck your connections.

Caution:

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

MOUNTING THE STEREO

Be sure you test the stereo first and verify that it works properly. Then follow these steps to mount the stereo.

1. Disconnect the cable from the vehicle battery's negative (-) terminal.

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2. Disconnect the wire harness and the antenna.

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3. You must remove the stereo's control panel to remove the sleeve. To remove the control panel, press RLS.

4. Insert both of the supplied keys to the slots at the left and right sides of the stereo. Press the keys downward, and slide the sleeve off of the stereo.

Note:

The keys are labeled to show their top edges.

5. Insert the sleeve into the dash. Then secure the sleeve to the dash by bending out the appropriate tabs with a screwdriver. Bend out all the side tabs.

6. Slide the stereo into the sleeve until it locks into place.

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7. If your vehicle has a suitable mounting hole under the dash, use pliers or a 5/16-inch box-end wrench to attach the short end of the supplied mounting bolt to the back of the stereo.
8. Reconnect the wire harness and the antenna.
9. Reconnect the cable to the vehicle battery's negative (-) terminal.
10. If you are securing the stereo to an existing mounting hole under the dash, push the supplied rubber mounting grommet onto the mounting bolt, then push the mounting bolt (covered by the mounting grommet) through the existing mounting hole then slide it to the left or right to secure it.

Otherwise, you can use one of the supplied bolts (with attached washer) to attach one end of the supplied metal strap to the mounting hole on the back of the stereo. If necessary, bend the metal strap to fit your vehicle's mounting area. Then use either the supplied sheet metal screws or the other bolt (with attached washer) 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.

REMOVING THE STEREO FROM THE DASH

If you ever want to remove the stereo from the dash, follow these steps.

1. Disconnect the cable from the vehicle battery's negative (-)

terminal.

2. If you secured the stereo to an existing mounting hole under the dash, slide the stereo to the right or left to free the mounting bolt from the mounting hole.

Otherwise, remove the bolt holding the metal strap attached to the back of the stereo.

3. Press RLS to remove the stereo's control panel.
4. Insert both of the supplied keys into the slots at the left and right sides of the stereo. Press the keys downward and slide the stereo out of the dash.
5. Remove the keys from the slots.
6. Disconnect the wire harness and the antenna.
7. If you are mailing or shipping the stereo, use a small Phillips screwdriver to reinstall the shipping screw in the top of the stereo.
6. Reconnect the cable to the vehicle battery's negative (-) terminal.

USING 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.

Note:

Any stored stations remain in memory when the control panel is removed.

INSTALLING THE CONTROL PANEL

1. Insert the left edge of the control panel into the left 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 right edge of the control panel into the recess until you hear a click.

REMOVING THE CONTROL PANEL

1. Press RLS until you hear a click. The control panel swings out.
2. Remove the control panel, then store it in the supplied carry case.

Caution:

To keep the metal connecting pins clean, do not touch the connecting pins in the recess or on the back of the control panel.

SETTING THE CLOCK

1. Press ON/OFF to turn on the stereo.
2. While pressing and holding down CLOCK, repeatedly press TUNE/SEEK TRACK - until the stereo displays the correct hour. To quickly advance the hour, press and hold down TUNE/SEEK TRACK -.
3. While pressing and holding down CLOCK, repeatedly press TUNE/SEEK TRACK + until the stereo displays the correct minute. To quickly advance the minute, press and hold down TUNE/SEEK TRACK +.

Notes:

The clock resets the seconds to 0 as soon as you stop advancing the minute or hour.

You can use a watch with a sweep-second hand or other time reference to set the clock to the exact second at the beginning of an hour. When the time reference reaches the beginning of an hour, press and hold down CLOCK, then press 6. The clock resets the minutes and seconds to 00 and advances the hour if the minutes were past 29.

ADJUSTING THE CONTROLS

When you listen to your stereo, adjust these controls to suite your listening preferences.

ON/OFF - Press until the display lights to turn on the stereo. To turn off the stereo, press ON/OFF again.

AUDIO CONTROL - +/- - Repeatedly press until BAS, TRE, BAL, or FAD and a number appear on the display, then repeatedly press AUDIO CONTROL + or - within 5 seconds to change the stereo's bass, treble, balance, or fader settings.

Notes:

When you adjust the balance toward the left speakers, L and a number appear on the display. When you adjust the balance toward the right speakers, R and a number appear on the display.

When you adjust the balance toward the front speakers, F and a number appear on the display. When you adjust the balance toward the rear speakers, R and a number appear on the display.

If BAS, TRE, BAL, or FAD and the number disappear before you press AUDIO CONTROL + or -, just press AUDIO CONTROL SEL again.

To set bass, treble balance, and fader to their center (middle) settings, press and hold down AUDIO CONTROL SEL for about 3 seconds until the stereo beeps twice.

Selecting a Preset Equalizer Setting

The stereo has preset graphic equalizer settings to let you vary the balance of the sound it produces. These settings are designed to give you the best sound for jazz, pop, rock, classical, and country and western music.

To select a graphic equalizer setting, repeatedly press P-EQ until ROC (rock), JAZ (jazz), POP (pop), CLS (classic), or C W (country and western) appears on the display. The P-EQ indicator turns on to show that you have selected a graphic equalizer setting.

Note:

The graphic equalizer setting disappears after about 5 seconds or when you press another button.

To turn off equalization, press P-EQ until DFT (defeat) appears on the display. The P-EQ indicator turns off.

DISPLAYING THE CLOCK

While the radio or a CD is playing, press CLOCK to display the clock. The stereo displays the clock for 5 seconds, then returns to the radio or CD display.

Note:

After you remove a CD from the CD player, the stereo displays NO Cd,

then shows the clock.

RESETTING THE STEREO

If your stereo locks up or does not work properly, use something pointed, such as a straightened paper clip, to press RESET for about 1 second.

TURNING THE STEREO'S BEEP ON AND OFF

The stereo normally beeps when you press most buttons. To turn the stereo's beep on or off, eject a CD if loaded. Then press and hold down CD for about 3 seconds until the display turns off then on again.

RADIO OPERATION

PLAYING THE RADIO

1. Press ON/OFF to turn on the stereo. The radio automatically tunes to the last station and bank selected.
2. Press BAND to select the desired band. AM appears on the display when the AM band is selected. FMI or FMII appears on the display when an FM band is selected.
3. Tune to the desired station one of the following ways.

Manual Tuning:

Repeatedly press TUNE/SEEK TRACK - or + to tune down or up the selected band.

Seek Tuning:

Press and hold down TUNE/SEEK TRACK - or + for about 1 second to tune to the next lower or higher station.

Note:

If DX appears on the display, the stereo stops on both strong and weak FM stations. To limit seek tuning to only strong FM stations, press LO/DX so DX disappears.

4. Press AUDIO CONTROL + or - to increase or decrease the volume as desired.

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Notes:

ST appears on the display when an FM signal is received in stereo.

MEMORY TUNING

You can manually store up to 6 AM and 12 FM stations in memory groups. Each memory group (AM, FMI, and FMII) holds up to six stations. You can also automatically store the first 6 strong AM and first 6 strong FM stations in a separate automatic travel programming memory.

Manually Storing Stations

1. Repeatedly press BAND to select the desired memory group (AM for AM, or FMI or FMII for FM).
2. Use either seek tuning or manual tuning to tune to the station you want to store.

Note:

To tune both strong and weak FM stations, press LO/DX so DX appears. To tune only strong FM stations, press LO/DX so DX disappears.

3. Press and hold down the desired memory channel button until the memory channel number, ch, and the frequency flash once on the display. The station is stored.

Storing Stations in Automatic Travel Programming Memory

The stereo can store the first 6 strong AM and the first 6 strong FM stations it finds into its automatic travel programming memory. This memory is separate from the stereo's memory groups, so it does not replace the stations you manually stored.

1. Repeatedly press BAND to select the desired band (AM for AM, or FMI or FMII for FM).
2. Press and hold down TUNE/SEEK TRACK ATP (automatic travel programming) for about 2 seconds. The stereo displays AS, scans the selected band, and automatically stores the first 6 strong stations it finds in automatic travel programming memory.
1. Repeatedly press BAND to select the desired band

(AM for AM, or FMI or FMII for FM).

2. Press TUNE/SEEK TRACK ATP until AS appears on the display.

Note:

Do not hold down TUNE/SEEK TRACK ATP. This causes the stereo to automatically scan and store the first 6 strong stations it finds into its automatic travel programming memory.

3. Press the desired memory channel button.

Note:

If the stereo could not find 6 strong stations, - - - appears on the display if you try to tune to a vacant memory channel.

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, repeatedly press BAND to select the desired memory group, then press P-SCAN.

To scan the stations in the automatic travel programming memory, press BAND to select the desired band, press TUNE/SEEK TRACK ATP so AS appears on the display, then press P-SCAN.

As the radio scans each memory channel, the channel number flashes and the frequency is displayed. After scanning all memory channels, the stereo returns to the original station.

To stop the scanning when the radio pauses at a station you want to listen to, press P-SCAN again.

CD PLAYER OPERATION

Cautions:

Play only CDs that have this mark on them:

The CD player 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 CD player might make an unusual noise. This is not a malfunction.

PLAYING A CD

1. Press ON/OFF to turn on the stereo.
2. Insert a compact disc (label side up) in the slot. The stereo displays CD, DISC IN, and TR:01 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 CD, DISC IN, TR:, and the track number of the track you last played, and the CD starts to play from the point where you last stopped it.

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

Note:

If a CD is loaded when you turn off your vehicle's ignition or the CD player, you must wait about 5 seconds after you turn the ignition or CD player back on before you can press CD to play a CD.

3. Press AUDIO CONTROL + or - to increase or decrease the volume as desired.

Note:

See "Adjusting the Controls" on Page 16 for information about changing the stereo's other settings.

4. To pause playback, press CD. The stereo displays PAU, DISC IN, TR:, and the track number. To resume play, press CD again.

Note:

If you pause a CD for more than 5 minutes, the clock display appears.

5. To remove a CD from the CD player, press Up Arrow.

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SELECTING A TRACK

To select a track on the loaded CD, press TUNE/SEEK TRACK + during play to advance to the next track or press TUNE/SEEK TRACK - to go back. Repeatedly press TUNE/SEEK TRACK + or - to select the next or previous track.

AUDIBLE SEARCH

To search for a particular section of a track, press and hold down TUNE/SEEK TRACK + or TUNE/SEEK TRACK - during play. The stereo rapidly plays the CD either forward or backward (like cuing or reviewing a cassette tape). When you hear the section you want, release TUNE/SEEK TRACK + or TUNE/SEEK TRACK - to resume normal play.

SHUFFLE PLAY

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

To begin shuffle play, press SHUF. The stereo displays DISC IN, SHF, TR:, and the track number.

To stop shuffle play, press SHUF again to resume normal play, SHF disappears.

Note:

SCANNING THE TRACKS

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

To begin scanning, press SCAN. The stereo displays DISC IN, SCN, TR:, and the track number.

To stop scanning, press SCAN again at the desired track to resume normal play. SCN disappears.

REPEAT PLAY

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

To repeat a track, press RPT during play. The stereo displays DISC IN, RPT, TR:, and the track number. When the track ends, it automatically repeats play.

To stop repeating the track, press RPT again to resume normal play. RPT disappears.

SWITCHING BETWEEN THE CD AND THE RADIO

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

To continue playing the CD, press CD.

If your stereo's CD player is not working as it should, it displays an error indicator and ejects the loaded CD. These suggestions might help you eliminate the problem.

Indicator	Problem	Suggestion
E01	Loading and/or unloading operation fails.	Make sure a disc is loaded. If it is not, insert the disc properly. If it is, eject the disc and load it again.
E07	The CD is loaded incorrectly.	Reload the CD with the label side up.
	The CD is dirty or defective.	Clean the CD or try another CD.
L Err	Abnormal CD operation.	Contact your local Radio Shack store for assistance.

If the stereo still does not operate properly, the connecting pins in the recess or on the back of the control panel might be dirty. Use a soft cloth or a contact cleaner (such as Cat. No. 64-4340) to clean them.

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If the stereo still does not operate properly, take it to your local Radio Shack store for assistance.

Your Optimus High-Power in-Dash AM/FM Stereo CD Player is an example of superior design and craftsmanship. The following suggestions will help you care for the stereo so you can enjoy it for years.

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

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

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

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 parts can cause a malfunction and might invalidate your stereo's warranty and void your FCC authorization to operate it. If your stereo is not performing as it should, take it to your local Radio Shack store for assistance.

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 Radio Shack 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 Radio Shack store sells a Scratch 'n Fix kit (Cat. No. 42-127) 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 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. Check both fuses.

Warning:

Before you begin, disconnect the cable from the vehicle battery's negative (-) terminal.

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1. Push together and twist the fuse holder's pans until they spring apart.
2. If either fuse is blow, replace it. Use only standard 1 1/4-inch fuses with the proper rating. The red power wire's fuse must be 1.0 amp, and the yellow continuous power wire's fuse must be 5.0 amps.

Caution:

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

3. Reassemble the fuse holder by inserting the fuse and pushing together and twisting the two parts until they latch.
4. Reconnect the cable to the vehicle battery's negative (-) terminal.

AM/FM Car CD Player
(120-2152)

Specifications

Faxback Doc. # 37648

RADIO	FM (Nominal)	AM (Nominal)
Frequency Range	87.5-107.9 MHz	530-1710 kHz
Frequency Response	50-12500 Hz	N/A
IF Rejection	94 dB	51 dB
Image Rejection	68 dB	36.5 dB
Selectivity	66 dB	94 dB
Signal-to-Noise (S/N) Ratio	60 dB	49 dB
Stereo Separation	24 dB	N/A
Usable Sensitivity	17 dB	29 dB

CD PLAYER

Frequency Response.....	5-20000 Hz
Signal-to-Noise Ratio.....	65 dB
Harmonic Distortion.....	0.08 %
Wow and Flutter.....	Not Measurable
CDs Used (Diameter).....	5-inch (120 mm) and 3-inch (80 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

