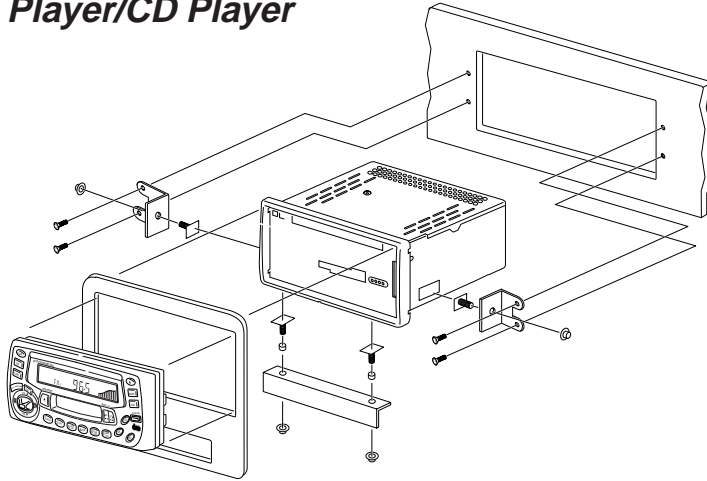


JENSEN®

How to Install the KDC 9520 AM/FM Stereo Receiver/Cassette Tape Player/CD Player



Welcome!

What you're holding in your hands is no ordinary owner's manual. We've tried to make the instructions in this book clear and easy to follow.

For your Jensen stereo to work right, it must be installed correctly. This manual will show you how to install your new stereo like a pro. It's a good idea to read all of these instructions before you begin the installation. Most installations are straightforward and can be handled by a do-it-yourselfer with the right tools, patience, and the ability to follow instructions. But, do-it-yourself installation isn't for everyone. If you still don't feel confident after reading this book, consider turning the installation job over to someone better suited to it.

Warranty Service

If your Jensen stereo should ever require service, you will need to have the original dated receipt. If you ever need to return the unit for any reason, always include the receipt with the product.



Technical Assistance

For technical assistance with the installation of the KDC 9520, call 1-800-323-0221.

Installation

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Installation

Before You Begin Installation

Before you begin, you will need tools, supplies and adapters. It is best to make sure you have everything you need before you take your dashboard apart.

Tools and Supplies Needed

Basic Installation:

- Flat and Phillips screwdrivers
- Wire cutter
- Wire stripper
- Tools to remove existing radio (screwdriver, socket wrench set or other tools)
- Radio removal tool (for GM cars 1990 and newer)
- Electrical tape

Advanced Installation:

- Soldering iron
- Crimping tool
- Circuit tester
- Solder
- Crimp connectors
- 14 gage wire for power connections
- Speaker wire

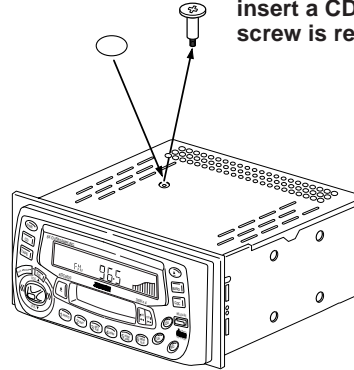
Speaker Requirements

Only connect the KDC 9520 to speakers rated in the load impedance range of 4 to 8 ohms. Speakers with a load impedance less than 4 ohms could damage the KDC 9520.

Prepare Radio for Installation

Put adhesive dot (from accessory kit) over transport screw hole

Remove transport screw (you cannot insert a CD until the screw is removed)



Adapters for Easier Installation

Electrical and dashboard adapters make installation easier. Purchase adapters from your local Jensen retailer, electronics store or car stereo specialty store.

Wiring Harness Adapter

For a basic installation, you can purchase a wiring harness adapter for your car's existing radio connectors. This makes installation easy.

Dashboard Adapters

The opening in your dashboard may not match the size of your Jensen radio. Purchase an adapter kit for your car.

Antenna Adapter (GM cars)

1990 and newer GM cars have a small antenna connector. You will need an adapter when installing this radio in a newer GM car.

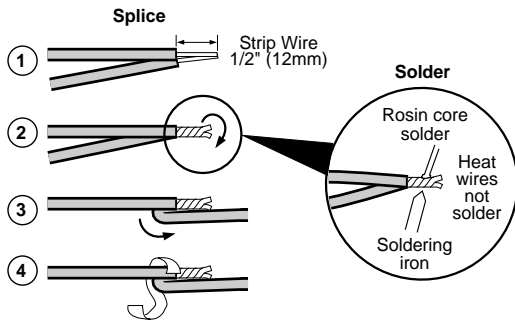
Professional Tip

Connections

Good wire connections are very important for best sound and long-term reliability. Here are two methods:

Splice

1. Strip 1/2 inch (12 mm) of insulation from both wires.
2. Wrap wires together
3. Fold wires over
4. Stretch electrical tape tightly over splice.



Solder

Solder is the best way to connect wires, but it takes skill and practice. Splice the wires (as shown above). Before taping, heat the wires (not the solder). When the wires are warm enough, touch the solder to the splice. The solder will flow over the wires. Stretch electrical tape tightly over splice.

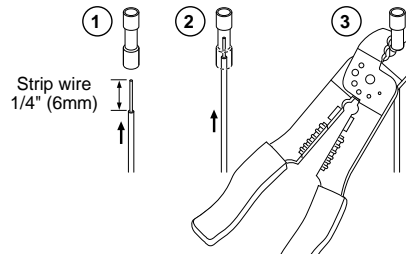
Professional Tip

Crimp Connections

Purchase crimp connectors and crimping tool. Connectors are color coded. This Jensen radio uses BLUE connectors (12-14 gage wire).

1. Strip 1/4 inch (6mm) of insulation from both wires.
2. Insert into connector.
3. Crimp tightly.

You can make permanent splices (using butt connectors) or select connectors that can be removed and reinstalled.



Professional Tip

Upgrading Your System

International Jensen makes a wide range of car stereo products that will make your car system sound better, great or INCREDIBLE!

Better Sound

Install a Jensen tape deck or CD player like you're doing now. High power units can make your existing speakers sound better and play louder.

Great Sound

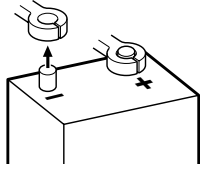
Replace your existing speakers with Jensen or Advent speakers. Many of our speakers will fit into your car without cutting or drilling. You can also add an amplified graphic equalizer to tailor the sound to your liking.

INCREDIBLE Sound

Jensen offers a full line of amplifiers, high-power speakers and subwoofers that can turn your car into audio dynamite. You can go loud, louder and loudest by selecting Jensen components from your retailer.

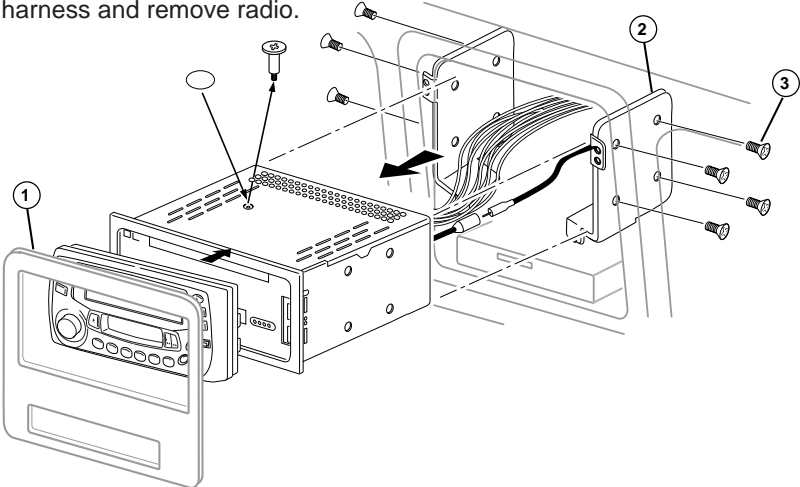
Disconnect Battery

Before you begin, always disconnect the battery negative terminal.



Remove Old Radio

1. Remove trim to expose chassis.
2. Remove the frame from the dashboard.
3. Unscrew screws from the sides.
4. Disconnect wiring harness and remove radio.





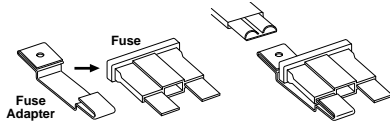
Wiring

Important

If wiring connections are made wrong, the unit will not operate properly and it could be damaged. Follow the installation instructions carefully, or have the installation handled by an experienced technician.

Professional Tip**Fuse Adapters**

No convenient power wire? Install a fuse adapter having a spade connector.



Crimp on a matching connector and attach:

- Yellow wire—Fuse marked MAIN, BAT or PWR
- Red wire—Fuse marked ACCY (accessory), or RADIO

Professional Tip**Cars with a Single Speaker Wire**

Some speakers connect to the original radio with a single wire. Your Jensen radio requires two wires per speaker. You must locate each speaker and run a second wire from the speaker (–) terminal to the radio. You will probably have to remove interior trim panels and door sills.

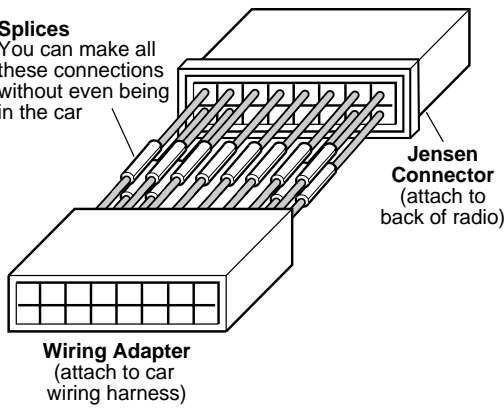
Wiring with a Wiring Adapter

This is the easiest wiring method, because it replaces your existing radio. You will have to buy a wire harness adapter from your dealer, a car stereo installation shop or electronics store. If you use a wiring adapter, you can connect all wires to the radio before you even start to take your old radio out.

Connect Wires

Splice, crimp or solder the wires from the Jensen connector to the wiring adapter. Match the wires according to the chart (below) and the wiring adapter instructions.

Splices
You can make all these connections without even being in the car

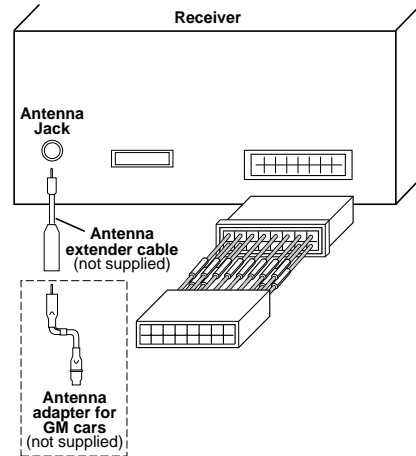


Wiring Color Codes

Function	Color
LF- Speaker	white/black
LF+ Speaker	white
LR- Speaker	green/black
LR+ Speaker	green
RF- Speaker	gray/black
RF+ Speaker	gray
RR- Speaker	violet/black
RR+ Speaker	violet
Power Antenna	dark blue
Ground	black
Ignition	red
Battery	yellow

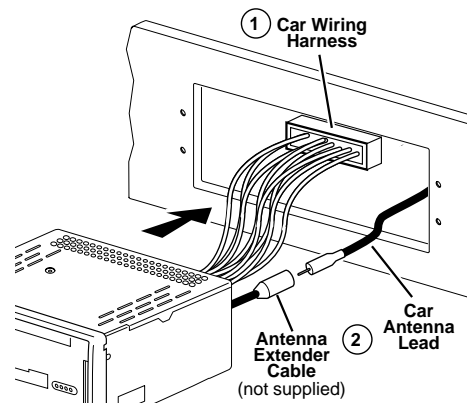
Attach Wires to Radio

1. After splicing the wiring adapter to the Jensen connector, attach the connector to the back of the radio as shown.
2. Attach antenna extender cable (not supplied) and antenna adapter (if needed).



Install Wiring Inside the Car

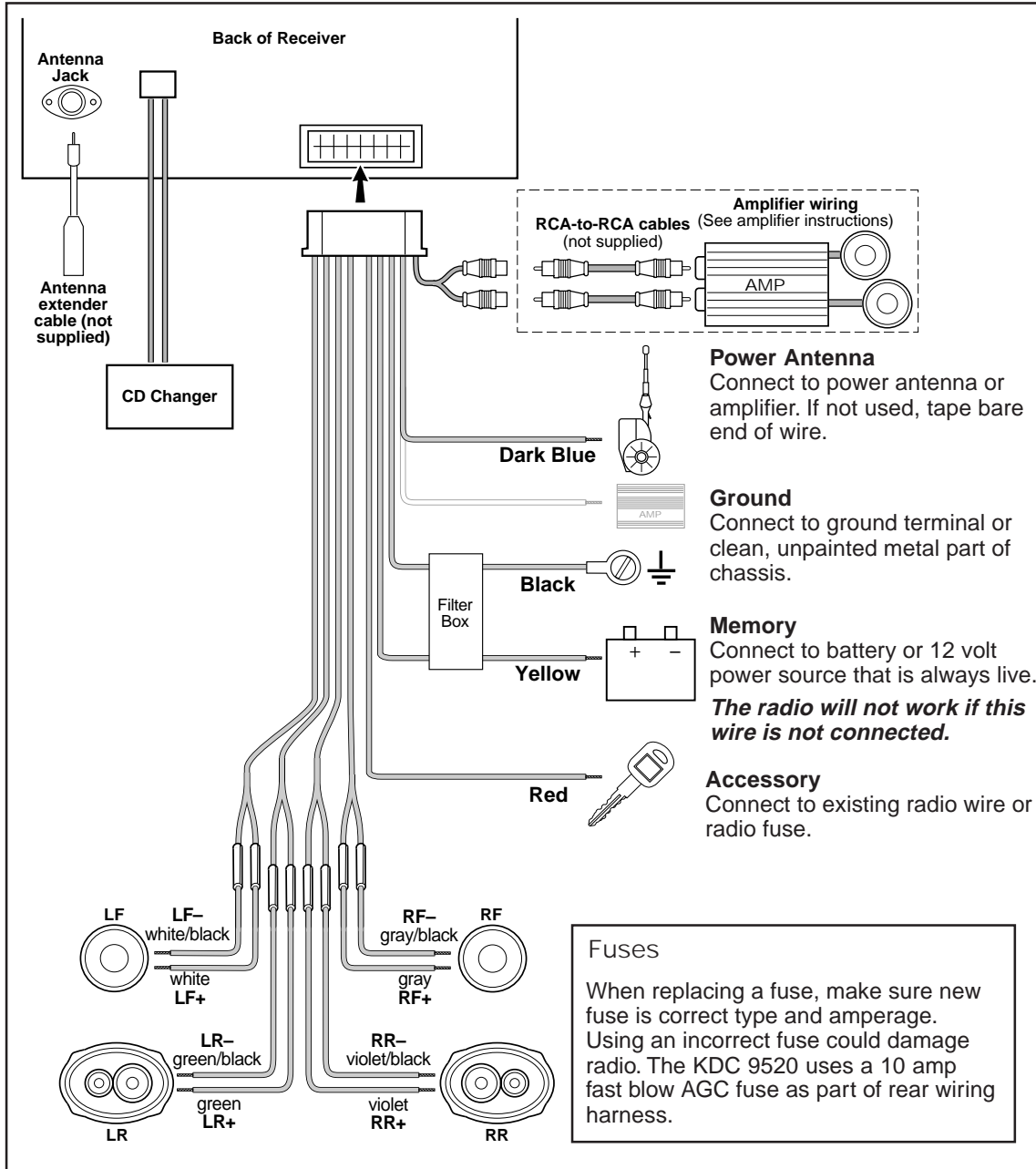
1. Connect wiring adapter to the car's existing wiring harness.
2. Connect antenna extender cable (not supplied) to car antenna lead.



Go to **Testing** on page 8.

Wiring Diagram—Advanced Installation

If you are installing new speakers or amplifiers or replacing an aftermarket installation, use this diagram.



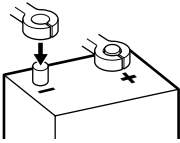
Go to "Testing" on page 8.

Testing

Before you finish the installation, you should do the following tests to make sure the wiring is correct and everything is operating properly.

Reconnect Battery

When wiring is complete, reconnect the battery negative terminal.

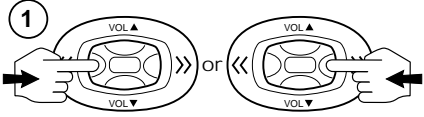
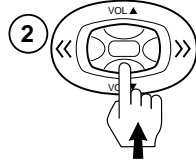


Test Power Wiring

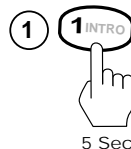

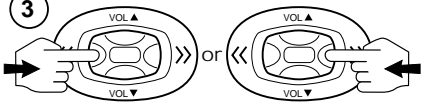

1. Turn ignition switch on. The display should light. If not, check the electrical connection at the yellow and red wires.
2. Press **PWR** button to turn the receiver on. You will see the radio display. If not, check electrical connections to the red and yellow wires.
3. If equipped, the power antenna should also operate. If not, check electrical connections to the dark blue wire.

Test Antenna Connection

1. Press **«** or **»**. The radio should tune to a nearby station. If not, check antenna connection.
2. Press the **VOL▲** button to increase volume until you can hear the radio playing.

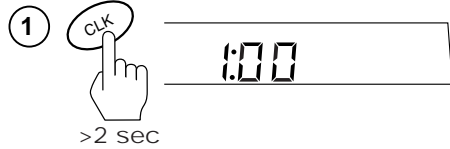
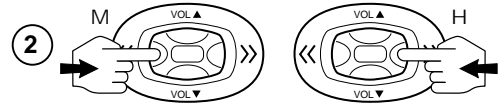
Test Memory Wiring

1. With the radio playing, hold button 1 for five seconds. The radio will beep. You just stored the current station in memory.
 
2. Turn the key off, then turn the key on again.
 
3. Press **«** or **»**. The radio will select a different station.
 
4. Press button 1 again. It should return to the station that was playing before (step 1). If not, make sure the yellow wire is connected properly.
 

View/Set the Clock

Press **CLK** button to temporarily display clock.

To set the clock:

1. Press and hold **CLK** button for more than two seconds. Receiver will beep.
 
2. Within 3 seconds, press **»** on the control button to change the minutes and **«** to change the hours.
 

Test Speaker Connections

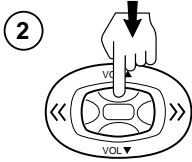
These tests make sure the speakers are connected right. If speakers don't play at all, both wires may not be connected. If the wrong speaker plays (you hear front speakers when you expect rear speakers) make sure you connected the wires right.



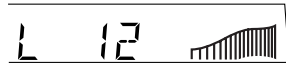
Balance



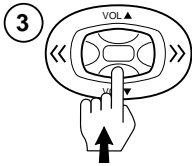
1. Press **SEL** four times.



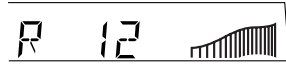
2. Hold **VOL▼** on the control button until the display shows L 12.



Only the left speakers should be playing. If not, check the wiring. Make sure you connected the wires just like the chart on page 6.



3. Hold **VOL▲** on the control button until the display shows R 12.



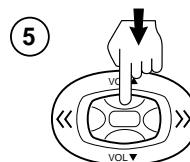
Only the right speakers should be playing. If not, check the wiring. Make sure you connected the wires just like the chart on page 6.



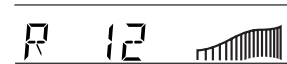
Fader



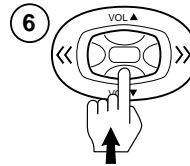
4. Press **SEL** five times.



5. Hold **VOL▼** on the control button until the display shows R 12.



Only the front speakers should be playing. If not, check the wiring. Make sure you connected the wires just like the chart on page 6.



6. Hold **VOL▲** on the control button until the display shows F 12.



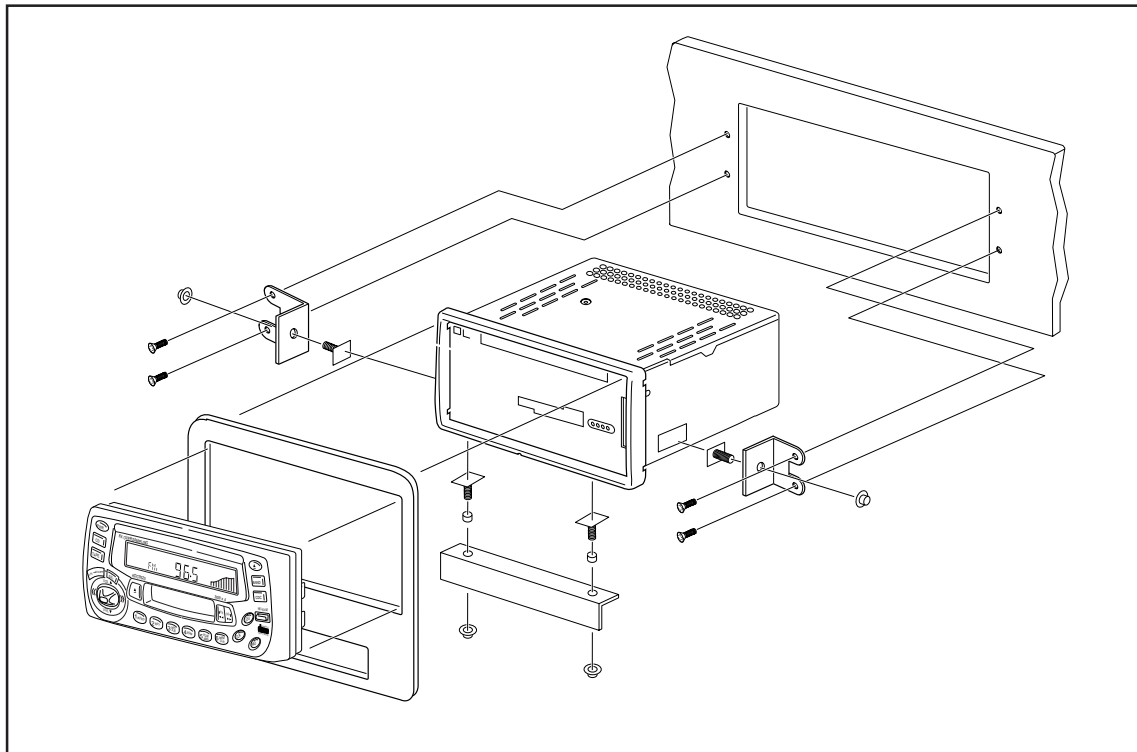
Only the rear speakers should be playing. If not, check the wiring. Make sure you connected the wires just like the chart on page 6.



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KDC 9520

Final Installation

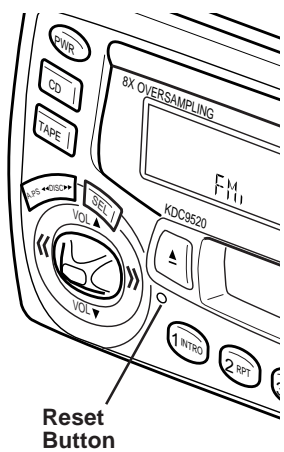


Troubleshooting

Problem	Cause	Corrective Action
Does not operate (display does not light)	No power to yellow wire No power to red wire	Check connection Check vehicle fuse
	Inline fuse blown	Replace fuse
No speakers operate (display lights normally)	Speaker harness not connected	Connect speaker harness
Not all speakers operate	Incorrect splices or connections	Check all splices and connections
	Speaker wires shorting to chassis ground or to each other	Check splices, insulate all bare wires
Blows fuses	Power wire shorting to ground	Insulate wire
	Speaker wires shorting to ground	Insulate wire
	Incorrect fuse	Install fuse of correct rating
ER-1 appears on display	Disc reading malfunction	Try a different disc. The disc may be damaged or dirty
ER-2 appears on display	Disc loading or eject malfunction	Press RESET button Insert a disc and try again
ER-3 appears on display	High temperature	Wait until temperature returns to normal
Can't find cause of problem		Call Jensen Technical Assistance (1-800-323-0221)

Reset Button

The **RESET** button is located on the left side of the faceplate. In case of abnormal operation, use a pencil tip (or other non-metallic object) to press the **RESET** button. Pressing **RESET** does not erase memory presets or other control settings, it resets error codes only.





Specifications

FM Tuner	
Tuning range	87.5 MHz-107.9 MHz
FM mono sensitivity	12 dBf
50 dB quieting sensitivity (stereo)	16 dBf
Stereo separation @ 1 kHz	40 dB
AM Tuner	
Tuning range	530 kHz-1710 kHz
Amplifier	
Total system power	140 Watts peak
Power output	front: 2 x 35 Watts rear: 2 x 35 Watts
Tape Player	
Frequency response ±3 dB	50 Hz-15 kHz
CD Player	
Frequency response	20 Hz-20 kHz
General	
Power supply	11-16 VDC, negative ground
Speaker output impedance	4-8 Ohms
Specifications subject to change without notice.	

Limited One Year Warranty—USA and Canada

Length of Warranty. This warranty from Recoton Mobile Electronics shall be in effect for a period of one year from the date of the first consumer purchase.

Persons Protected. This warranty will be enforceable by the original owner and any subsequent owners during the warranty period so long as proof of date of purchase from an authorized Jensen dealer is presented whenever warranty service is required.

What is Covered. Except as otherwise specified below, this warranty covers all defects in material and workmanship in this product. The following are not covered: damage resulting from accident, misuse, abuse, neglect, product modification, improper installation, incorrect line voltage, unauthorized repair or failure to follow instructions supplied with the product; damage occurring during shipment (claims must be presented to the carrier); elimination of car static or other electrical interferences; any product purchased outside USA or Canada, or on which the serial number has been defaced, modified or removed.

How You Can Get Service.

U.S. Purchasers. Please telephone Jensen at 1-800-323-4815. We will either inform you of the name and address of an authorized Jensen repair station which will service the product or will advise you to send the product to a factory service center.

Canadian Purchasers. The product should be returned to the Jensen dealer from whom it was purchased and such dealer either will service or arrange for service of the product.

If shipment of the product is required, it should be packed securely. The original dated bill of sale must always be included with the product as proof of warranty coverage.

What We Will Pay For. We will pay for all labor and material expenses required to repair the product, but you must pay any labor costs for the removal and/or installation of the product. If the product is shipped for warranty service, you must prepay the initial shipping charges, but Jensen will pay the return shipping charges if the product is returned to an address inside the USA or Canada.

Limitation of Implied or Statutory Warranties and Conditions. All implied or statutory warranties and conditions, including warranties or conditions of merchantability, fitness for particular purposes and non-infringement, are limited in duration to the length of this warranty.

Exclusion of Certain Damages. Jensen's liability is limited to the repair or replacement, at our option, of any defective product and shall not include incidental or consequential economic damages of any kind.

Some states and/or provinces do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations and 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 and province to province.

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Recoton Mobile Electronics
A Division of Recoton Audio Corporation
A RECOTON® COMPANY
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