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Before
You Begin

Remove
& Install

Wire
New Radio

Mount
New Radio

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Factory Radio



Other Documents Available For This Vehicle:

No documents available at this time

Factory Radio

with dash radio installation kit



Adobe Acrobat Reader Printing Tips:

- 1) Select "**FILE**" then "**PRINT**" and select your printer.
- 2) In the print options box do the following:
 - A) Locate check box "**Shrink to Fit**". Place check in box.
 - B) Locate box "**Print Quality**". Select highest print dpi allowed by printer.
 - C) If print quality listed is not as high as that printers normal quality, press the "**SETUP..**" button. In the next screen, press the "**PROPERTIES**" button and set the printers print quality to the highest print dpi allowed.

Document Revision History

12/99 Document Creation

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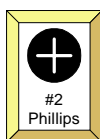
Overview Of This Radio Install

Step	What Section To Go To
Remove old radio from dash	Remove & Install
Wire the new radio	Wire New Radio
Mount the new radio	Mount New Radio
Finishing the installation	Remove & Install

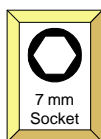
Parts Needed For This Radio Install

Parts REQUIRED for the install	Description
Custom Saturn radio installation kit	Dash kit for 1995-97 Saturns
Snap on in dash wire harness	General Motors 1989 & newer
General Motors 1989 and newer antenna adapter	

Tools Needed To Complete This Install

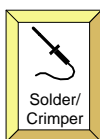


#2
Phillips

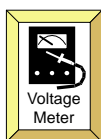


7 mm
Socket

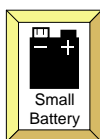
Hand tools needed
to remove radio



Solder/
Crimper



Voltage
Meter



Small
Battery

Accessory tools needed to test and
wire the new radio

! TOOL TIPS:

Small Battery: use a battery to test speaker wires. Touching the (+) positive and (-) negative battery leads to a pair of speaker will cause the speaker to make a "Pop" sound indicating that pair of wires goes to that speaker.
Voltage Meter: Always check +12 Volt power wires for voltage before making wire connections. These wires will fluctuate between 10 and 14 Volts.
Solder Iron or Crimp Tool: make wire to wire connections using either a solder iron and electrical tape, OR plastic crimp terminals found at most hardware or auto parts stores.

PLUS: Wire ties or electrical tape: to neatly bundle and organize your wires for a professional appearance.

Installation Difficulty Ratings

Easy. No advanced skills or specialty tools needed.

Basics. Simple tools required. Installs quickly.

Intermediate. Requires knowledge of tools, or disassembly of panels.

Advanced. Requires advanced tools, or extra time.

Difficult. Involves modifying or cutting of the installation area. Advanced tools and/or skills required. Best if performed by experienced installers.

Do It Yourselfers

Basics

Professional Installer

Basics

Support Information If You Need Help

Supplemental information if you need help

Document Title	Document #
Basic DC electronics for automotive applications	999001
Wire splicing: soldering vs. crimping	999004
Why use radio installation kits	999005
Mounting your radio to an installation kit	999007
Why use an OEM snap on wire harness	999008
Wiring your new radio using a wire harness	999009
Testing wires when installing a new radio	999013

► Remove Factory Radio



STEP 1:

The plastic dash panel surrounding the radio must be removed to remove the radio. Look on each side of the plastic dash panel and notice (1) circular plastic connector. To remove this plastic connector, push in the center pin. This loosens the grip of the connector so that it can be pulled out and removed.



STEP 2:

Once the connectors on both sides of the plastic panel have been removed, pull the dash panel out away from the radio.



STEP 3:

At the top of the plastic dash panel is a long, black plastic connector that is plugged into the bottom of the defrost button attached to the top of the plastic dash panel. Unsnap the plastic connector and the plastic dash panel can be completely pulled away from the radio and dash.



STEP 4:

The radio is secured to the dash with two (2) 7 mm bolts at the top of the radio, just below the air conditioner vents. Remove both screws.

NOTE: The radio is attached as one unit with the pocket below the radio.



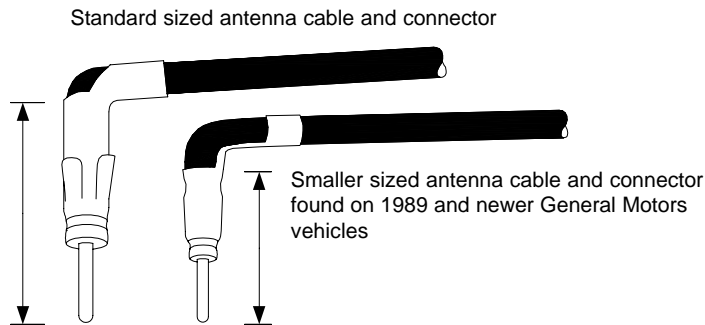
STEP 5:

Pull the radio/pocket assembly out of the dash. Unplug the black cable from the rear of the radio. Unplug the plastic connector from the rear of the radio. The radio/pocket assembly can now be completely removed from the dash.

► Wiring The New Radio

Move to: **Wire New Radio** Section

General Motors/Saturn vehicles manufactured after 1989 have a smaller antenna connector than standard antenna cables. When you install a new radio, this smaller GM antenna cable will not fit properly into the antenna plug on the new radio. You will need an adapter called a **GM antenna adapter** to convert this smaller sized GM antenna cable over to the standard size antenna needed for the new radio.



► Mounting The Radio To A Kit

Move to: **Mounting New Radio** Section

This Saturn vehicle requires the use of a specialty designed radio installation kit when installing a new radio into this vehicle. The radio installation kit is designed to fit the curved dash of this vehicle and includes mounting brackets that secure the radio installation kit to the dash. See photo below.

This is shown in detail in the **“Mounting New Radio”** section.



► Completing The Radio Installation



STEP 1:

Plug one end of the GM antenna adapter into the black antenna cable in the dash. Plug the other end of the GM antenna adapter into the rear of the new radio. Make sure all wire connections to the new radio have been completed and plug in any connectors into the rear of the new radio.

Insert the radio/kit assembly into the opening in the dash. Secure the top brackets of installation kit with the same two (2) 7mm bolt screws that originally held in the Saturn factory radio.



STEP 2:

Depending upon the manufacturer of the installation kit you are installing, the bottom/side of the kit has provisions for a screw to be installed into the bottom side of the kit. As seen in the photo above, there is a predrilled hole in the metal frame of the Saturn dash frame that surrounds the radio. Depending upon your kits design, the kit should have a provision that aligns with this hole in the metal that allows the installer to insert a screw through the metal and into the side of the kit.



STEP 3:

Reattach the plastic dash panel surrounding the radio. Be sure to reattach the plastic connector to the defrost controls at the top of the plastic dash panel. Reattach the circular plastic snap connectors on each side of the plastic dash panel.

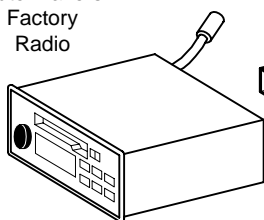
The installation is now complete.

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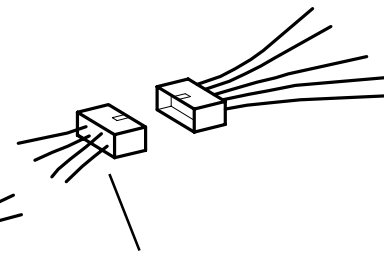
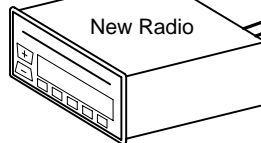
Step By Step Wiring

Page 1 of 2

Auto Makers
Factory
Radio



Wire Harness Inside Vehicles
Dash Which Plugs Into The
Rear Of The Factory Radio



Optional (STRONGLY
RECOMMENDED) Snap On Wire
Harness That Splices Into The
Wires Of The New Radio

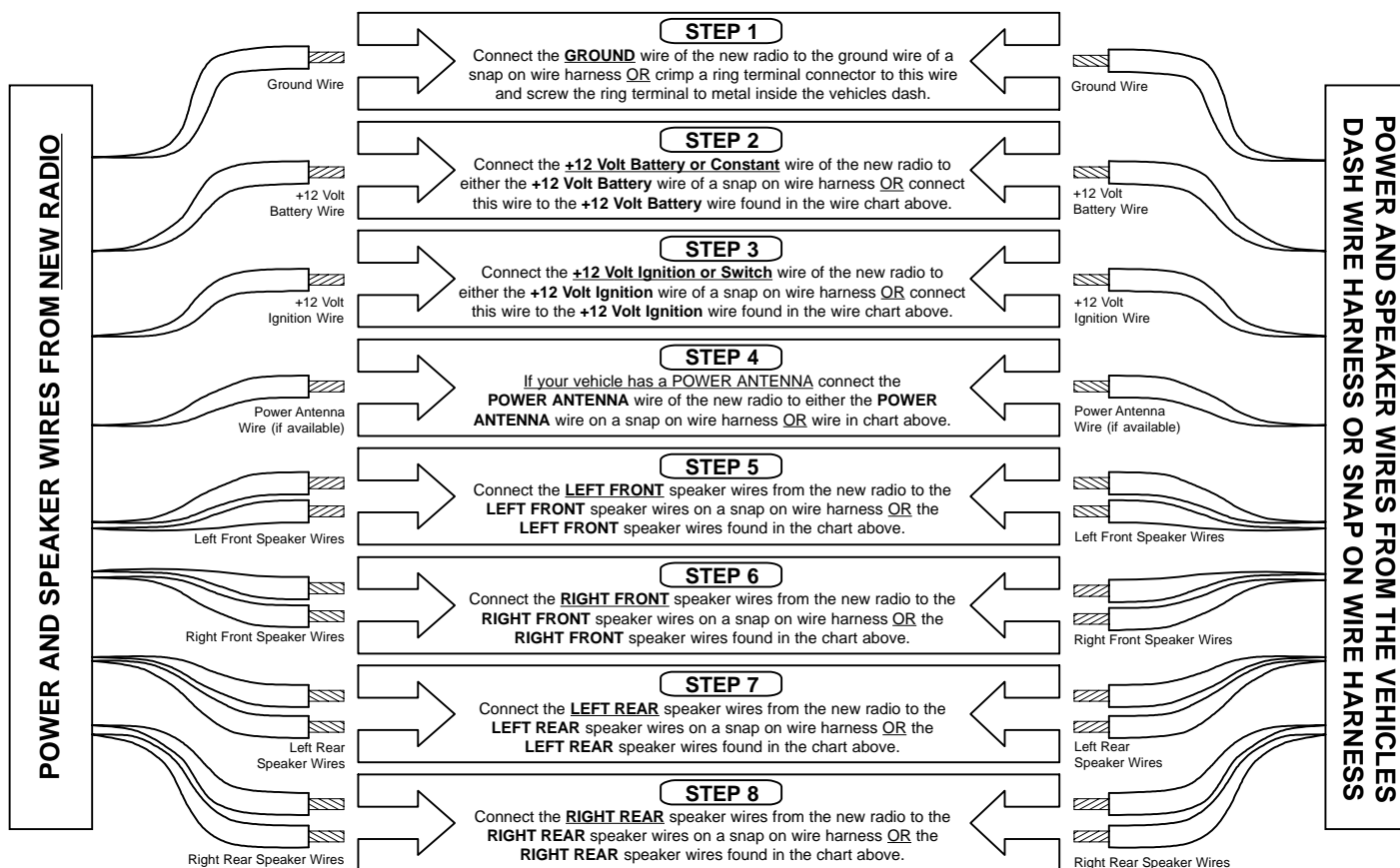
(Note: the radio shown is for display purposes and may not be similar in size or dimensions than the auto makers factory radio in your vehicle)

Supplemental information if you need help

Document Title	Document #
Testing wires when installing a new radio	999013
Why use an OEM snap on wire harness	999008
Wiring your new radio using a wire harness	999009
Wire splicing: soldering vs. crimping	999004

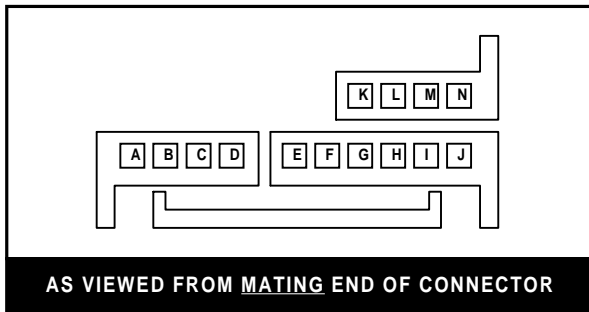
Wiring Instructions:

The power and speaker wires needed to connect the new radio are attached to the connector of the wire harness located inside the vehicles dash. The Install Doctor **STRONGLY** recommends using an optional snap on wire harness that is specifically designed to snap into the vehicles dash wire harness connector. This will keep you from cutting the vehicles wires. This optional snap on wire harness will have wires on the opposite side of the connector that will allow you to splice these wires to the new radios wires. The only other option is to cut off the vehicles dash wire harness connector and splice the new radios wires directly to these wires. The optional snap on wire harness takes all the guess work out of trying to figure out what each wire is in the vehicles dash wire harness. The optional snap on wire harness tell you what each wire is.



▶ Radio Wire & Color Code Information

Factory in-dash wire harness that snaps into the factory radio



Pin	What It Is	Typical GM Factory In Dash Wire Color	Typical New Radio Equivalent Wire Color
A	Left Front Spkr (-)	Light Gray	White w/ Black Stripe
B	Left Front Spkr (+)	Tan	White
C	Right Front Spkr (-)	Light Green	Gray w/ Black Stripe
D	Right Front Spkr (+)	Dark Green	Gray
E	Ground Wire	Black	Black
F	Not Used		
G	Headlight Dimmer Wire	Gray	Orange (if available)
H	Power Antenna Turn On	Pink (if available)	Blue
I	+12 Volt Ignition Wire	Yellow	Red
J	+12 Volt Battery Wire	Orange	Yellow
K	Right Rear Spkr (-)	Light Blue	Purple w/ Black Stripe
L	Right Rear Spkr (+)	Dark Blue	Purple
M	Left Rear Spkr (-)	Yellow	Green w/ Black Stripe
N	Left Rear Spkr (+)	Brown	Green

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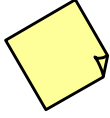
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Mount
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► Mounting A Radio To A Dash Kit

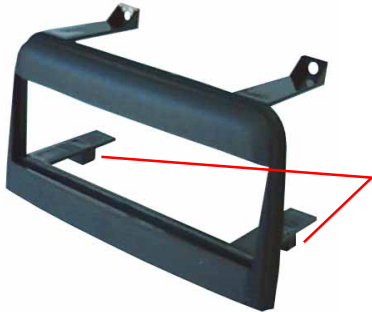


NOTE:

Before you begin: The radio installation kit needed for this vehicle is specifically designed to fit the contoured dash of this production model of Saturn vehicles. No other Saturn or General Motors radio installation kits will work. Please see the photos below for the correct installation kit.

All information needed to complete the mounting of the new radio to the installation kit is included on this sheet. If you need additional help, please consult the following tech documents:

Document Title	Document #
Why use radio installation kits	999005
Mounting your radio to an installation kit	999007
Radio security	999010



Screw holes in kit to secure the bottom/side of the kit to the metal frame of the Saturn dash surrounding the radio.

Custom designed Saturn
radio installation kit for 1995-1999
production models.



Insert the new radio installation "sleeve" or "cage" into the kit and secure it to the installation kit by bending the tabs on the sleeve behind the plastic opening of the kit.