

Factory Radio



New Radio

and dash installation kit



Other Documents Available For This Vehicle:

No documents available at this time

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

09/99 Document Creation
01/2000 Photo Update

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

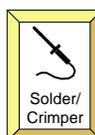
Parts REQUIRED for the install	Description
Dash installation kit	GM Pick Up - Suburban Kit
Snap on in dash wire harness	GM 1989 and newer harness
Antenna Adapter	GM 1989 and newer adapter

Optional parts for this install

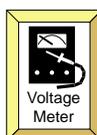
None

Tools Needed To Complete This Install

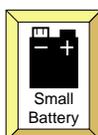
None Needed



Solder/
Crimper



Voltage
Meter



Small
Battery



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.

Hand tools needed
to remove radio

Accessory tools needed to test and
wire the new radio

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 optional 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:

To remove the radio, the entire dash panel must be removed. No tools are needed to remove the dash panel, only your hands.

The best place to start is left of the steering wheel above the air conditioner vent.



STEP 2:

With your hands, firmly pull the upper left corner of the dash panel. You will hear the dash begin to unsnap from the dash.

You will not be able to pull the dash panel at the bottom until the headlight switch box is unsnapped from the rear of this dash panel. With your fingers, push the headlight switch box from the front until it unsnaps from the rear of the dash panel. If you have problems unsnapping the headlight switch box you can try to unsnap the switch box from the rear of the dash panel.



STEP 3:

When the left side of the dash has been unsnapped, pull the upper right corner of the dash near the radio to unsnap the rest of the dash panel.

The dash should be completely unsnapped from the dash. Attached to the rear of the dash panel may be a connector near the radio. If you have this connector attached to your dash panel, you will have to remove it. (see STEP 2)



STEP 4:

Lean the dash panel forward so you can look down into the opening between the dash panel and the main body of the dash. You will notice orange tabs connected to the connector(s) on the rear of the dash panel.

These orange tabs are locking pins that prevent the connector(s) from disconnecting. Pull the orange pins from the connector and you can then remove the connector from the back of the dash panel.



STEP 5:

Completely remove the dash panel from the main dash body. Set the dash panel out of the way. The radio should now be exposed.

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STEP 6:

The radio is secured to the dash with a single snap on each side of the radio. You should see a pull down lever or arm on each side of the radio. Pushing the lever/arm down will free the clips and the radio can be pulled from the dash.



STEP 7:

When the radio is pulled from the dash, unplug the antenna cable from the rear of the radio. Unplug the connector attached to the rear of the radio.

The radio can now be removed from the dash.

► **Wiring The New Radio**

Move to: **Wire New Radio** Section

General Motors 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.

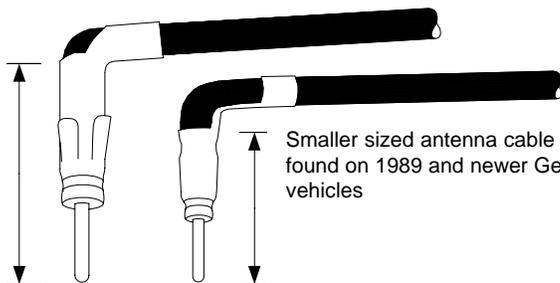
► **Mounting The Radio**

Move to: **Mounting New Radio** Section

This radio requires a custom designed radio installation kit specifically designed to snap into the dash of this vehicle. Other versions of General Motors radio installation kits will not work with this vehicle.



Standard sized antenna cable and connector



Smaller sized antenna cable and connector found on 1989 and newer General Motors vehicles

▶ Completing The Radio Installation



STEP 1:

You will need a custom designed radio dash installation kit in order to mount a new radio into this vehicles dash.

Mount the new radio to the radio dash kit.

Information can be found in the "**Mount New Radio**" section.



STEP 2:

Connect the General Motors antenna adapter to the antenna cable in the dash.

(Tip: after the antenna adapter has been plugged into the antenna cable in the dash, wrap a couple of layers of electrical tape around the connection area to keep the two from separating after you insert the new radio.)

Make sure all wiring to the new radio has been completed and plug in any connectors to the back of the new radio. Slide the new radio and dash installation kit into the opening in the dash until the kit snaps into the dash opening.



STEP 3:

Reattach the dash panel. Make sure you reattach the headlight switch box to the left side of the dash panel, and reattach the connectors near the radio.

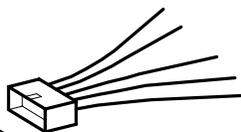
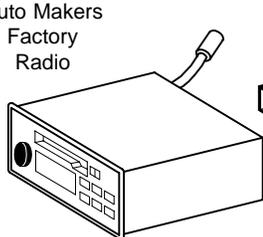


Completed Installation with radio dash installation kit.

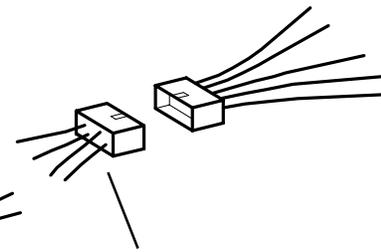
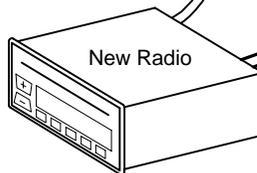
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► **Step By Step Wiring**

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

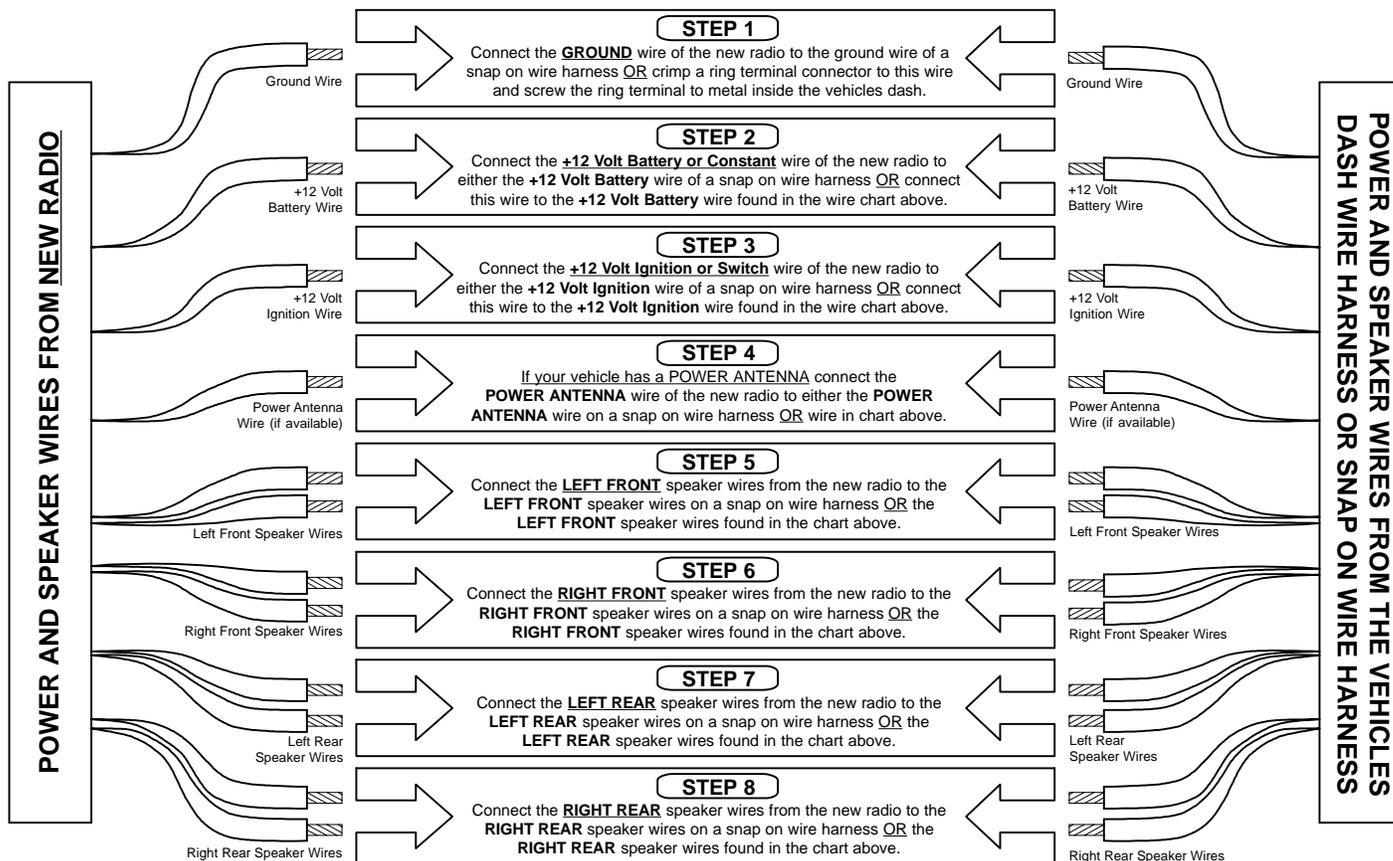
(Note: the radio shown is for display purposes and may not be similar in size or dimensions than the auto makers factory radio in your vehicle)

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

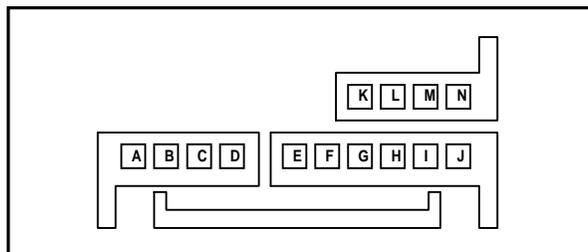
Wiring Instructions:

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 shows you what each wire is.



▶ Radio Wire & Color Code Information

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



AS VIEWED FROM MATING END OF CONNECTOR

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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▶ Mounting The Radio To A Kit

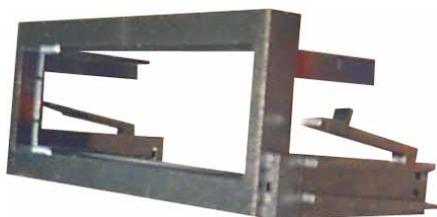


NOTE:

This vehicle requires a radio dash installation kit specifically designed for General Motors Trucks, Suburbans, Yukons, Tahoes, Escalade, and other GM Trucks/SUV's with the same dash design. No other kit will work for this vehicle.

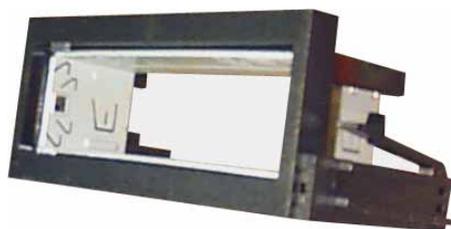
All information needed to complete the mounting of the new radio to the vehicles dash is included on this sheet. If you need additional help, please consult the following tech documents:

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



Custom designed radio installation kit required to install a radio into this vehicle.

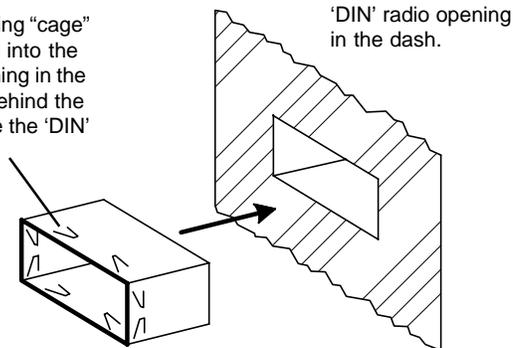
This kit is designed to snap into the opening in the dash just as the original GM radio. Notice the snap brackets attached to each side of the kit.



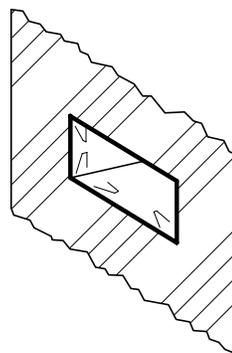
Insert the new radio installation "sleeve" or "cage" into the kit and secure it to the installation kit by bending the tabs on the sleeve behind the plastic opening of the kit.

For mounting a rectangular 'DIN' style of radio to the kit

When the 'DIN' mounting "cage" or "sleeve" is inserted into the 'DIN' rectangular opening in the kit, bend these tabs behind the kits opening to secure the 'DIN' cage to the dash.



'DIN' mounting "cage" or "sleeve" for new radio.



New radios 'DIN' mounting "cage" slid into the 'DIN' opening of the kit with its tabs bent securing the cage to the kit.

The radio can now be slid into the 'DIN' mounting "cage" which will snap to the radio securing the radio in place.