

## Factory Radio



## Other Documents Available For This Vehicle:

No documents available at this time

## New Radio

and dash 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

09/99 Document Creation

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Cover  
Page

Before  
You Begin

Remove  
& Install

Wire  
New Radio

Mount  
New Radio

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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

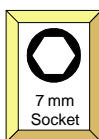
## Parts Needed For This Radio Install

Parts REQUIRED for the install	Description
Dash installation kit	1998 GM Pick Up Kit
Snap on in dash wire harness	GM 1989 and newer harness
Antenna Adapter	GM 1989 and newer adapter

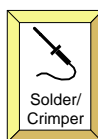
### Optional parts for this install

None

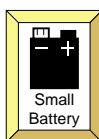
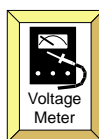
## Tools Needed To Complete This Install



Hand tools needed  
to remove radio



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

Intermediate

### Professional Installer

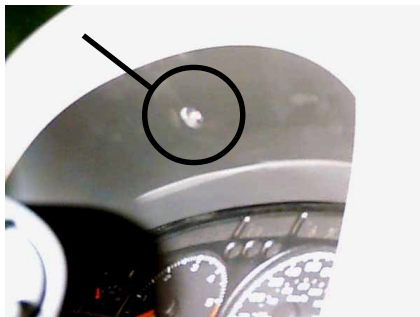
Basics

## 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. The best place to start is in front of the steering wheel.

Locate and remove one **(1) 7mm bolt/screw** located on the dash overhang above the dash instruments in front of the steering wheel.



### STEP 2:

The panel below the steering wheel must be partially removed. Hidden behind this panel is a 7mm bolt/screw securing the upper dash panel.

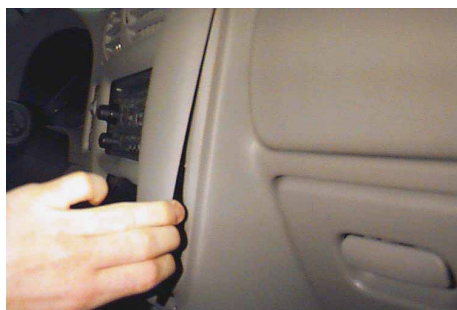
Locate and remove two **(2) 7mm bolt screws** (one each side of the steering wheel column) securing the plastic panel below the steering wheel.



### STEP 3:

When the screws have been removed, the upper part of this lower dash panel can be pulled back with your hands to access the hidden screw.

Locate and remove one **(1) 7mm bolt/screw** left of the steering wheel (as seen in the photo above).



### STEP 4:

When all screws have been removed, the dash panel can be removed by pulling the dash from the body of the main dash assembly.

With your fingers, grab and pull the bottom right of the dash panel (below and to the right of the stereo) until it begins to pull away from the body of the dash assembly.



### STEP 5:

Continue to pull the dash at the top right corner, then the top of the dash panel in front of the steering wheel, then the left side of the dash panel until it has separated from the body of the dash assembly (as seen in the photo above).



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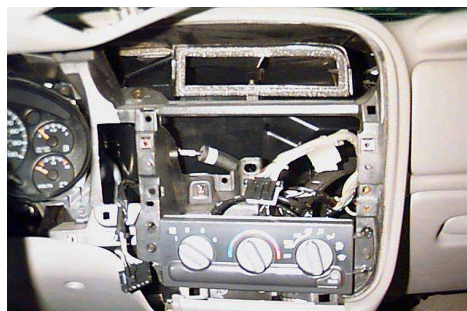


**STEP 6:**

**STEP 7:**

If you have a control box (usually the rear window wiper control switch) located to the left of the radio, this control box will have to be unplugged. Reach around to the rear of the dash panel and push the control box until it unsnaps and pops free out the front of the dash panel (as seen in the photo above). You will now be able to unplug the connector from the rear of the control box.

The dash panel can now be pulled away to gain access to the radio. You do NOT need to completely remove the dash panel. Follow these instructions will allow you to move the dash panel, away from the radio, by moving the dash panel so you can set it on top of the steering wheel or top of the dash.



**STEP 8:**

The radio is secured to the dash with two (2) 7mm bolt screws. Locate and remove one screw on each side of the radio. Pull the radio out of the dash. Unplug the black cable plugged into the rear of the radio. Unplug the wire harness connector plugged into the rear of the radio. The radio can now be completely removed from the dash (as seen in the photo to the left).

► **Wiring The New Radio**

► **Mounting The Radio**

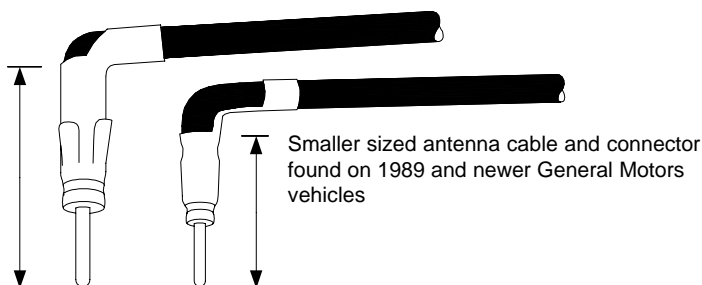
Move to: **Wire New Radio** Section

Move to: **Mounting 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.

Please read the NOTE in the “**Mounting New Radio**” section which discusses the radio installation kit needed for this particular vehicle.

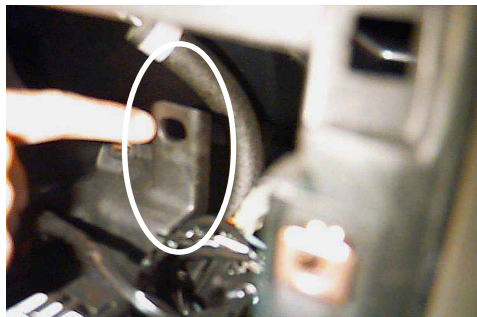
Standard sized antenna cable and connector



**STEP 2:**

This is a typical radio installation kit needed for this vehicle. Notice the brackets attached to the sides of the kit. This is the proper bracket configuration needed for this vehicle.

## ▶ Completing The Radio Installation



### STEP 1:

Depending upon the depth of the new radio and the type of radio installation kit you use, you may have problems inserting the new radio into the dash. New radios are usually deeper than the General Motors radio. In this vehicle, the rear of the GM radio was held in place by a plastic bracket with a hole in it. The rear of the new radio may hit this bracket and prevent the new radio from installing completely in the dash. If this happens you will have to break off or saw off this plastic bracket so that the new radio will properly fit into the dash. The quickest way to break off this bracket is to grab the top of the bracket with pliers and twist and pull until the plastic snaps and breaks away.



### STEP 2:

Mount the radio to the installation kit as shown in the "Mount New Radio" section.

Insert the radio/kit assembly into the dash.

Plug the GM antenna adapter into the antenna cable in the dash. Plug the other end of the antenna adapter into the rear of the new radio. (**TIP:** after plugging the antenna cable into the GM antenna adapter, wrap the connection area with electrical tape to prevent the connectors from separating due to vibration).

Make sure all wire connections for the new radio have been completed and plug in any connectors to the rear of the new radio.

Secure the radio installation kit with the same 7mm bolt/screws that had originally secured the GM radio.



### STEP 3:

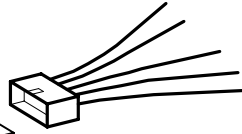
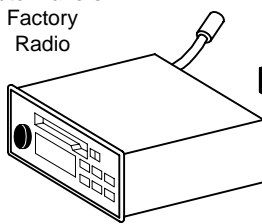
Reattach the dash panel. Secure the dash with the 7mm bolt/screws.

**The installation is now complete.**

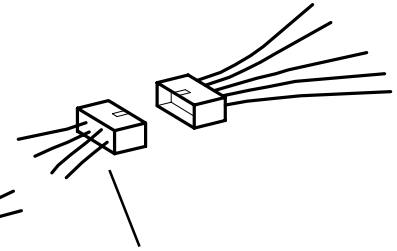
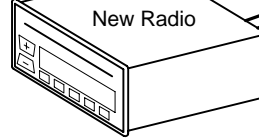
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► **Step By Step Wiring**

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

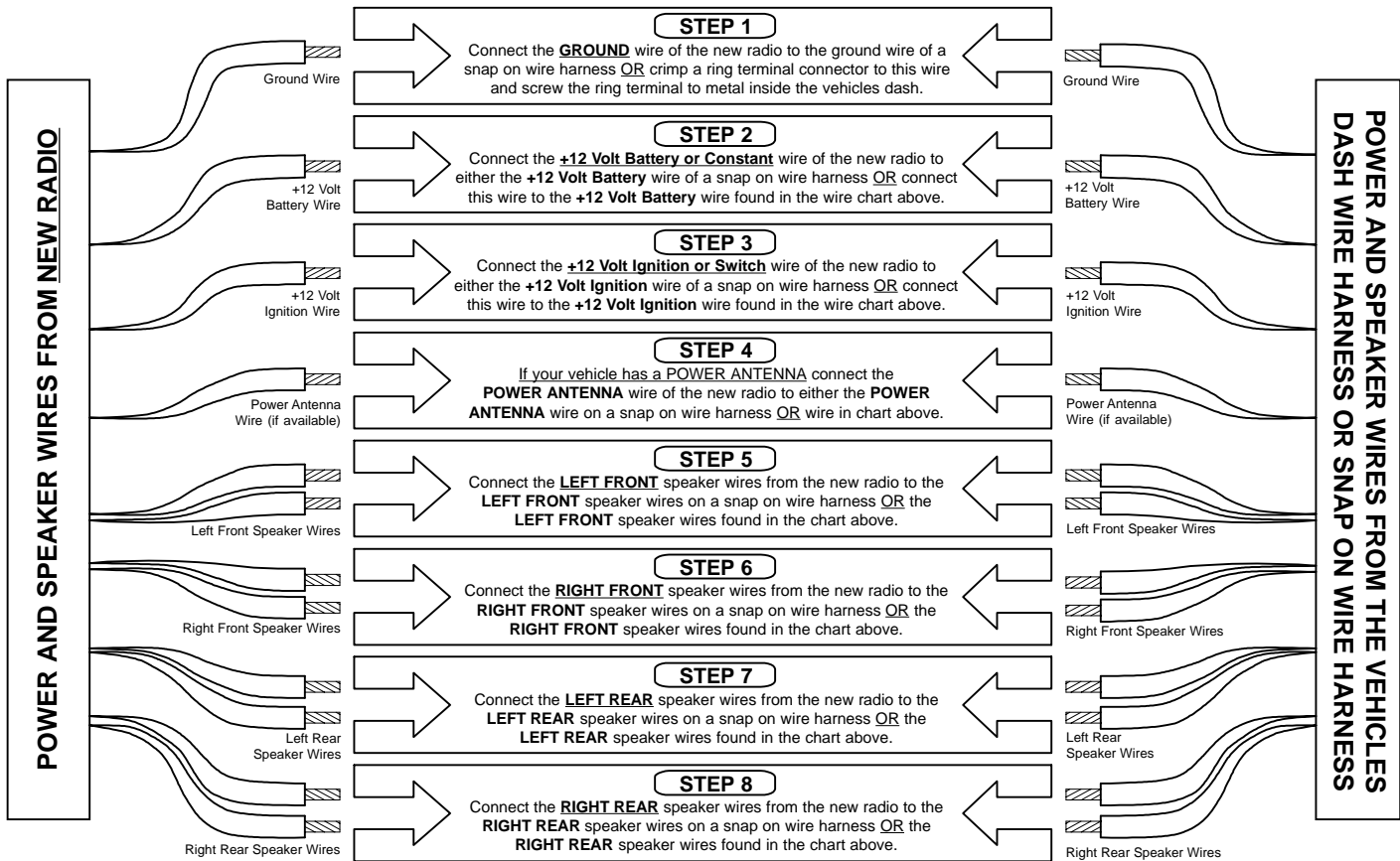
(Note: the radio shown is for display purposes and may not be similar in size or dimensions than the auto makers factory radio in your vehicle)

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.



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Before  
 You Begin

Remove  
 & Install

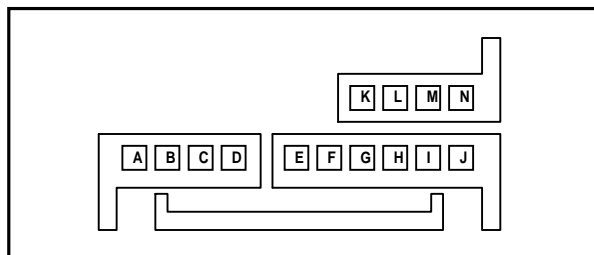
Wire  
 New Radio

Mount  
 New Radio

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▶ Radio Wire & Color Code Information

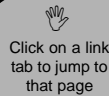
Factory in-dash wire harness that snaps into the factory radio



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





Cover Page

Before You Begin

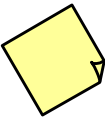
Remove & Install

Wire New Radio

Mount New Radio

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## ▶ Mounting A Radio To A Dash Kit



### NOTE:

**Before you begin:** The radio installation kit needed for this vehicle is shown below in pictorial form. This kit is SPECIFICALLY designed for General Motors vehicles which use a General Motors radio with side brackets attached to it that are not removable. Most GM radio installation

kits are designed so that the brackets attached to the General Motors radio can be unscrewed, removed, and attached with screws to the radio installation kit. However, because this vehicles radio has metal brackets attached to the side of the radio which are not removable, no other variations of General Motors radio installation kits will work, unless the manufacturer of that kit includes brackets with the kit that can be attached to the side of the kit which will allow the kit to work with this vehicle.

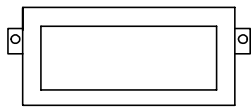
All information needed to complete the mounting of the new radio to the installation kit is included on this sheet. If you need additional help, please consult the following tech documents:

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

Follow the instructions below for your type of radio

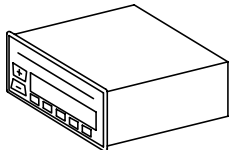
### 'DIN' Radios (Rectangular Body Style)

#### What you need to mount your radio

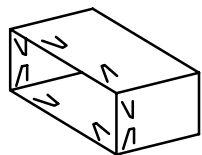


Installation dash kit for 'DIN' (rectangular body style) radios

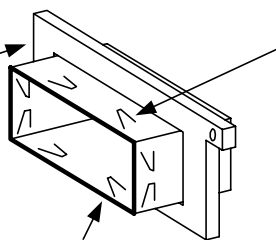
New Radio



New radios installation sleeve



Slide the radios installation sleeve into the mounting kit. (some sleeves may be marked with "TOP" to note the top of the sleeve)

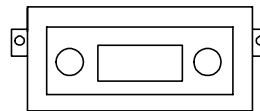


When the installation sleeve is fully inserted and the front edge or lip is seated against the front face of the installation kit, bend the tabs of the installation sleeve behind the rear surface of the installation kit to secure the installation sleeve. Bending the tabs secures the sleeve to the kit.

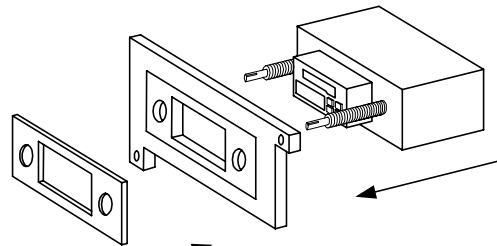
Front edge or lip of installation sleeve. Slide installation sleeve into the mounting kit until the front edge or lip meets the installation kit.

**Radio slides into sleeve after the sleeve is secured to the installation kit**

### Shafted Radios



Installation dash kit for shafted style radios



New Radios Face Plate

Slide the radio through the backside of the installation kit. Slide the radios front face plate onto the front surface of the installation kit. Notice how much of the radios shafts are protruding past the front of the kit. You will need to remove the excess by adjusting the depth of the new radios shaft spin nuts. Pull the radio out of the installation kit and spin on the nuts that are included with the radio. Slide the radio back into the installation kit. Adjust the nuts by spinning them forward or back to adjust the depth that the new radios shafts protrude out the front of the kit. To assure a "flush" and professional appearance, make sure that the new radios front face plate is flush with the new radios display box that is visible through the opening of the installation kit. Complete the installation by securing the front face plate with the remaining nuts provided with the new radio. The new radio is secured to the installation kit by "sandwiching" the installation kit between the new radios front face plate and the nuts spun onto the shafts of the radio behind the installation kit.



### CAUTION:

Do not overtighten the spin nuts securing the front face plate. Tighten to secure the radio without cracking the plastic.



### TIP:

If your radio manufacturer provides 6 spin nuts, use 4 to secure the radio to the installation kit and 2 to secure the front face plate.