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Before  
You Begin

Remove  
& Install

Wire  
New Radio

Mount  
New Radio

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## Factory Radios

'DIN' style Nissan radio with pocket below radio



Nissan Double 'DIN' radio (no pocket below radio)



## 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.

## New Radio

New radio using the Nissan pocket below the radio



Double 'DIN' Nissan radio converted to a single 'DIN' radio using an optional kit pocket below the radio



## Document Revision History

09/99 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

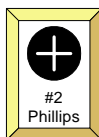
## Parts Needed For This Radio Install

Parts REQUIRED for the install	Description
Snap on in dash wire harness	Nissan prior to 1995 harness
Antenna adapter	Nissan "diversity" adapter
** please read installation procedures to see which parts are needed	

### Optional parts for this install

None

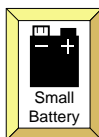
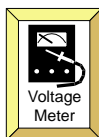
## Tools Needed To Complete This Install



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

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

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## ► Remove Factory Radio



### STEP 1:

The dash panel surrounding the dash radio must be removed in order to remove the radio.

Stick shifts: the gear shift knob screws onto the shifter arm. Unscrew the knob and the leather shaft cover will slide off the shaft arm and allow the dash panel to be removed.

### STEP 2:

The plastic dash panel unsnaps from the body of the dash. With a small flat head screwdriver, insert the tip under the corner of the plastic dash panel closest to the emergency brake. Gently pry up the plastic panel, then move to the other corner until the dash panel begins to unsnap from the dash. Pull the dash panel off and set aside.



### STEP 3:

Once the plastic dash panel has been pulled off, the screws securing each side of the radio should be visible. Locate and remove four (4) phillips screws, (2) screws on each side of the radio.

The radio and pocket are attached on each side with metal brackets. When you remove the (4) screws, the radio will pull out with the pocket attached.



### STEP 4:

Unplug the black circular connector from the rear of the radio. (This is the Nissan antenna and will be mentioned later in this document) Unplug the 2 white connectors from the rear of the radio.

Pull the entire radio/pocket assembly from the dash.

### Installation Note:

Look at the grills on the speakers in your door panels. If the grills say "ACTIVE" on the grill, your Nissan vehicle is considered an amplified stereo system. The speakers in the doors are not powered by the amplifier inside the Nissan radio, but are powered by an amplifier mounted directly behind each speaker. This will not pose a problem when installing your new radio if you follow the steps provided in this document.



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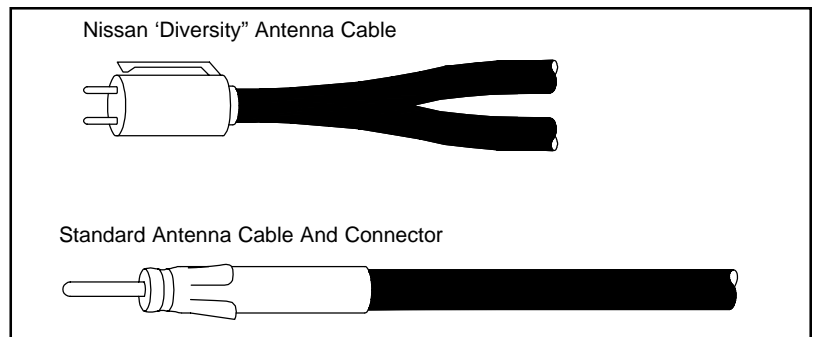
## ► Wiring The New Radio

Move to: **Wire New Radio** Section

Your vehicle may have the "ACTIVE" Nissan amplified stereo system in your vehicle. The wiring remains the same whether you do or do not have the "ACTIVE" system in your vehicle. If you do have the "ACTIVE" system in your vehicle, there is one additional wire that needs to be connected when wiring the new radio. You will connect the speaker wires as you would with a normal radio installation, but you will connect a wire connected to the amplifier at each speaker. This wire will turn the amplifier on/off when the radio is turned on/off. Otherwise, the wiring is the same whether you do or do not have the "ACTIVE" system in your vehicle.

### Required Nissan Antenna Adapter

Nissan vehicles use an odd antenna connector designed specifically for Nissan radios only. This antenna connector will not fit into a new radio. You will need a **Nissan "diversity" antenna adapter** which converts the odd antenna connector over to a standard connector that will fit into your new radio.



## ► Completing The Radio Installation



Nissan radio attached to the metal brackets and pocket below the radio



New radio attached to the metal brackets and pocket below the radio

(the pocket maybe the original Nissan pocket or and optional "multi" use pocket designed to mount to the metal brackets)

### STEP 1:

As shown in the "**Mount New Radio**" section, unscrew the Nissan radio from the brackets and pocket below the radio, and replace it with the new radio. The Install Doctor **STRONGLY** recommends using the metal brackets and pocket to mount your new radio. If your Nissan radio was the Double 'DIN' style which did not have the pocket below the radio, The Install Doctor **STRONGLY** recommends that you purchase the pocket from a Nissan dealership or you can purchase a radio installation kit that is a pocket ("multi" pocket kit) specifically designed to be used on vehicles where no pocket was installed from the auto maker, but the bracket allows for a pocket to be mounted under the radio. (maybe those vehicles had a factory radio with a separate cassette, or CD player mounted in the place of the pocket - but the brackets are still the same.)

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**STEP 2:**

Plug the Nissan "diversity" antenna adapter into the antenna cable located in the dash. Plug the other end of the "diversity" antenna adapter into the new radio. Make sure all wire connections for the new radio have been completed and plug in any connectors into the rear of the new radio.

Insert the radio/pocket assembly into the dash and secure the metal brackets with the same 4 phillips screws that had originally secured the Nissan radio/pocket assembly to the dash.



**STEP 3:**

Reattach the plastic dash panel that surrounds the radio.

**The installation is now complete.**

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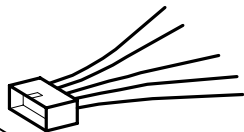
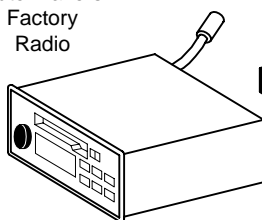
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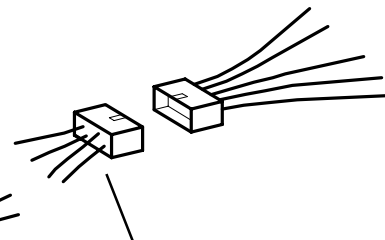
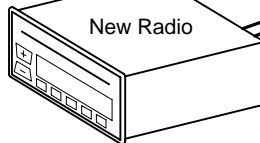
## Step By Step Wiring

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Auto Makers  
Factory  
Radio



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



Optional Snap On Wire Harness  
(Strongly Recommended) That  
Splices Into The Wires Of The  
New Radio

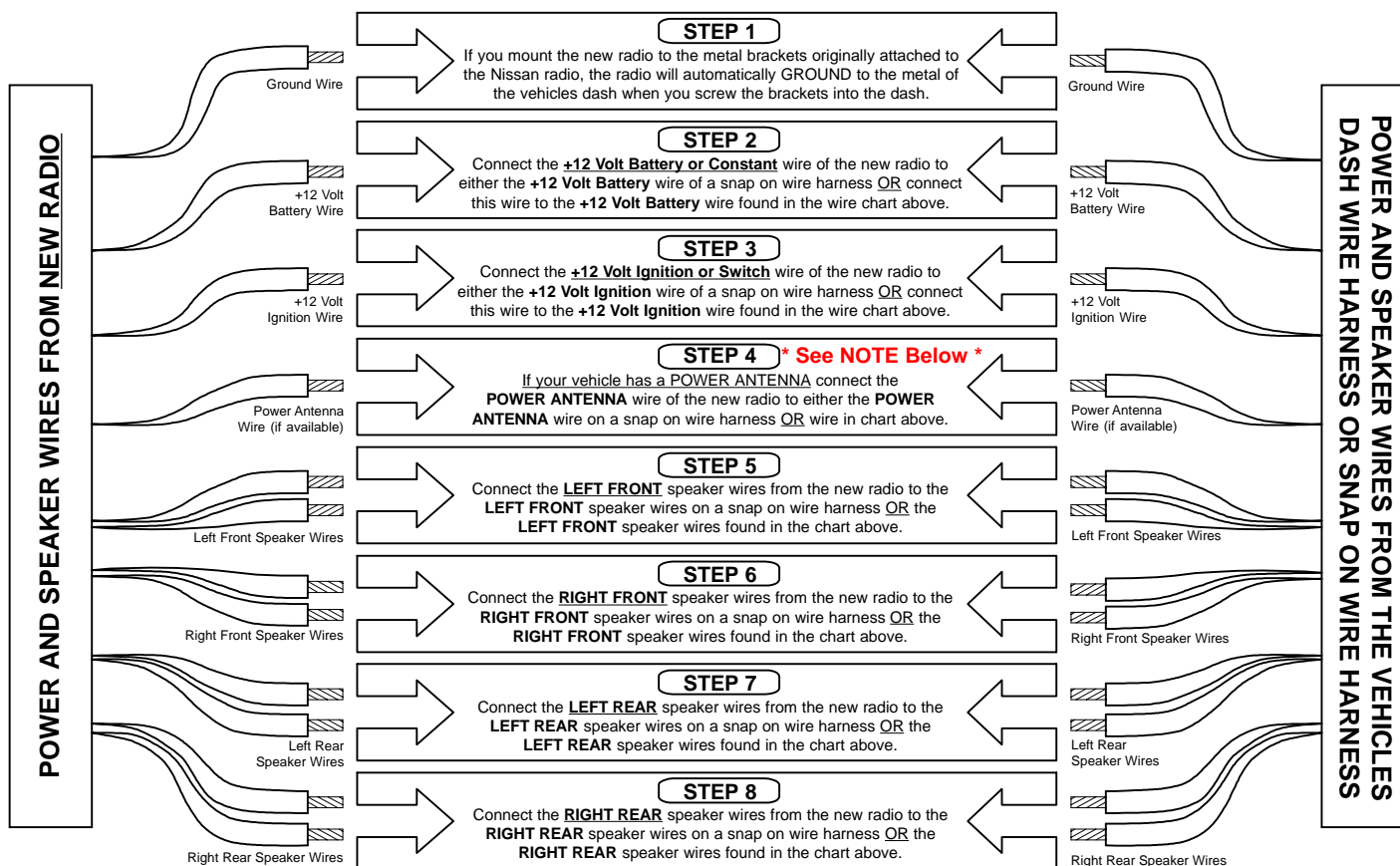
(Note: the radio shown is for display purposes and may not be similar in size or dimensions than the auto makers factory radio in your vehicle)

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.



**NOTE:** if your vehicle has the "ACTIVE" system, you must also connect the Power Antenna Wire (or Amp Turn On Wire on some new radios) to the Amp Turn On Wire of the vehicles dash wire harness. The Amp Turn On Wire for this vehicle should be a lite green wire located on the smaller of the two connectors of the radio wire harness located in the vehicles dash. A snap on wire harness adapter will label this wire as the "amplifier remote on" or "amplifier turn on" wire and the color of the wire should be blue with a white stripe. You will not have sound from the speakers if you do not do this.

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## ▶ Radio Wire & Color Code Information

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Factory in-dash wire harness (this vehicle has a 2 pc harness) that snaps into the factory radio



Pin	What It Is	Typical Nissan In Dash Wire Color	Typical New Radio Equivalent Wire Color
A	+12 Volt Ignition Wire	Blue	Red
B		<b>Do Not Use</b>	
C	Ground Wire	do not connect to this wire, see instructions	
D		<b>Do Not Use</b>	
E	+12 Volt Battery Wire	Red w/ Black Stripe	Yellow
F	Right Front Speaker (+)	Brown	Gray
G	Left Front Speaker (+)	Blue w/ White Stripe	White
H	Power Antenna Turn On		Blue
I	Right Front Speaker (-)	Brown w/ White Stripe	Gray w/ Black Stripe
J	Left Front Speaker (-)	Blue w/ Yellow Stripe	White w/ Black Stripe
K	Right Rear Speaker (+)	Blue	Purple
L	Left Rear Speaker (+)	Red	Green
M	Factory Amp Turn On	Lite Green	Blue Power Antenna Wire
N	Right Rear Speaker (-)	Pink	Purple w/ Black Stripe
O	Left Rear Speaker (-)	Dark Green	Green w/ Black Stripe
P		<b>Do Not Use</b>	

**Note:** using an optional snap on wire harness adapter will simplify the wiring. Most snap on wire harness adapters have already converted and color coded the wires from the auto makers in dash wire harness to match typical aftermarket radio wire colors.

\*\* The wire colors listed in the chart above are typical for this vehicle manufacturer during these years but may not be the exact colors for this vehicle. This is another reason to use a snap on wire harness adapter. \*\*



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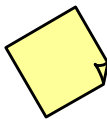
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## ► Mounting A Radio



### NOTE:

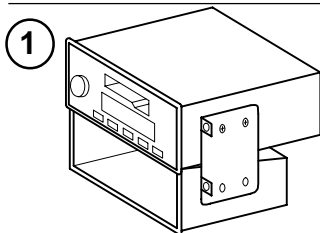
**Before you begin:** The best method to mount a new radio in this vehicle is to unscrew the auto makers factory radio from the brackets attached to the radio and screw the new radio into these brackets just as the factory radio was. This keeps the vehicle looking as stock from the factory as possible and means that you do not have to purchase an installation kit to mount the radio.

This method is called “ISO” mounting a radio. “ISO” mounting a radio has become a very common installation method for mounting new replacement radios. In order to “ISO” mount your radio, three things must exist:

- 1) The radio must be a ‘DIN’ style rectangular radio
- 2) The ‘DIN’ radio must have mounting holes predrilled into both sides of the radio to allow the radio to be secured with screws to the brackets originally attached to the factory radio.
- 3) The radio must have a removable trim ring surrounding the face of the radio

All information needed to complete an ‘ISO’ mounting of the new radio to the brackets originally attached to the factory radio is included on this page. If you are installing a “shafted” style radio or you will be using an installation kit to mount your new radio instead of the ‘ISO’ mounting method, you can find additional help in the following tech documents:

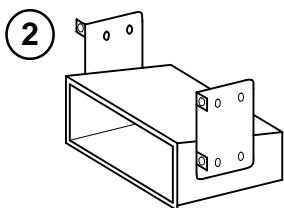
Document Title	Document #
Why use radio installation kits	999005
Mounting your radio to an installation kit	999007
Radio security	999010



Auto makers original radio with attached pocket below the radio

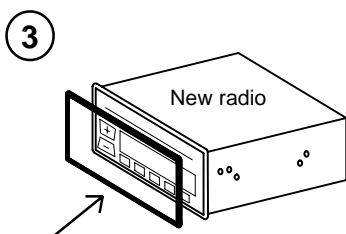
1 Remove the auto makers factory radio/pocket assembly from the vehicle. Remove the screws/bolts securing the radio to the brackets which are also attached to the sides of the pocket below the radio.

**Removal Tip:** some auto makers use phillips screws, some use 8 mm bolts with phillips screw cutouts in the top of the bolts. For best results use a socket to prevent stripping out the screws. If your radio has hard to remove phillips screws, insert the tip of the phillips screwdriver into each phillips screw and firmly tap with a hammer to loosen the tension bond between the phillips screws and the metal chassis of the auto makers factory radio. Then attempt to unscrew the phillips screws.

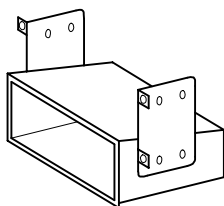


2 Remove the auto makers factory radio, but leave the brackets attached to the pocket.

**What if you do not have a pocket?** If the radio in your vehicle was a Double ‘DIN’ radio (or it did NOT have the pocket below the factory radio) The Install Doctor STRONGLY recommends that you convert your radio assembly over to use a pocket below the radio. You can purchase the pocket from a Nissan dealership or you can purchase a “multi” pocket radio installation kit that is designed to fit bracket-pocket applications such as this application. Once you have the pocket, secure the pocket to the metal brackets and you can avoid using radio installation kits to mount the new radio to the dash.

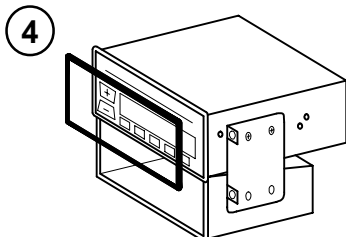


New radios removable trim ring surrounds the face of the radio

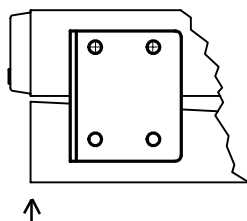


On the side of the new ‘DIN’ radio should be pre-drilled holes to allow you to screw the new radio into the brackets. Most car radio manufacturers design their radios with many holes on the side of the radio so the radio can be mounted to many different kinds of bracket/pocket configurations.

If you are going to mount your radio in this manner, you will probably have to remove the radios face trim ring around the face of the radio. This trim ring will most likely prevent the vehicles dash panel from securing properly back onto the dash.



New radio attached to the auto makers pocket and brackets



Line up like this

A common **mistake** when mounting your new radio to the auto makers radio bracket and pocket is selecting the wrong holes on the side of the new radio.

The new radio body, NOT THE FACE PLATE, should line up with the pocket below the radio. Most new radio manufacturers design their radios with a face that protrudes out from the body of the radio. The most common mistake is to mount the new radio with the protruded face lined up level with the pocket below the radio, not the new radios body.