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Before
You Begin

Remove
& Install

Wire
New Radio

Mount
New Radio

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Factory Radios



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



Document Revision History

09/99 Document Creation
02/2000 Photo Update

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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

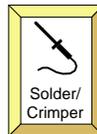
Parts Needed For This Radio Install

Parts REQUIRED for the install	Description
Snap on in dash wire harness	Nissan prior to 1995 harness
Antenna adapter	Nissan "diversity" adapter
Optional parts for this install	
None	

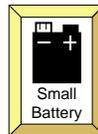
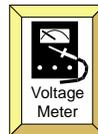
Tools Needed To Complete This Install



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:

Pull to unsnap the square plastic panel that surrounds the gear shift area. You should be able to lift up the plastic with your fingers, but if you have problems, a small flat head screwdriver can be inserted under the plastic to pry the plastic panel up so you can grab it with your fingers.



STEP 2:

Once the plastic panel has been removed, locate and remove four (4) **phillips screws** that were hidden under the plastic panel.



STEP 3:

Locate and remove two (2) **phillips screws** located directly above the radio. These screws are not visible until you look UP from below the radio.



STEP 4:

Move to the lower dash panel, below the steering wheel. The plastic panel located below the steering wheel must be removed so you can access a hidden screw behind the lower panel.

At the lower left corner of the plastic panel, directly below the fuse box, locate and remove one (1) **phillips screw**.



STEP 5:

Just to the left of the screw just removed is a flexible rubber metal edge cover (see photo above). This rubber edge cover is tucked behind a plastic panel that extends to the floor of the vehicle. Pull the rubber edge cover UP 2 inches until the end frees from behind the plastic panel.

On the far left of the plastic panel under the steering wheel is a small edge or lip that extends behind the rubber edge cover. If you do not lift up on the plastic edge cover you might have a hard time removing the plastic panel below the steering wheel.

Radio Replacement

Document #: 647013

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STEP 6:

Once the screws securing the plastic dash panel below the steering wheel have been removed, the panel can be pulled off of the main body of the dash. Pull the lower part of the panel. The top of the panel has plastic tabs securing the panel to the main body of the dash. Pull the panel toward the out towards the drivers seat and the panel should completely separate from the dash.



STEP 7:

Located behind the plastic panel under the steering wheel is one **(1) phillips screw** to the left of the radio (see photo above).

Remove the screw.



STEP 8:

All screws securing the center plastic dash panel surrounding the radio have now been removed. Grab this center plastic dash panel near the gear shift area and lift UP, then pull the panel to free it from the main body of the dash.

Once the dash has been pulled away, the radio and pocket below the radio should be completely visible.

The radio and pocket below the radio are secured together with metal brackets on each side of the radio. The radio/pocket assembly is secured to the dash by these brackets with four **(4) phillips screws**, 2 on each side.

Remove all 4 screws.



STEP 9:

Once all 4 screws have been removed, pull the radio/pocket assembly from the dash.

Unplug 2 rectangular plastic connectors plugged into the rear of the radio. Unplug the black circular connector plugged into the rear of the radio.

The radio can now be completely removed from the dash.

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Remove & Install

Wire New Radio

Mount New Radio

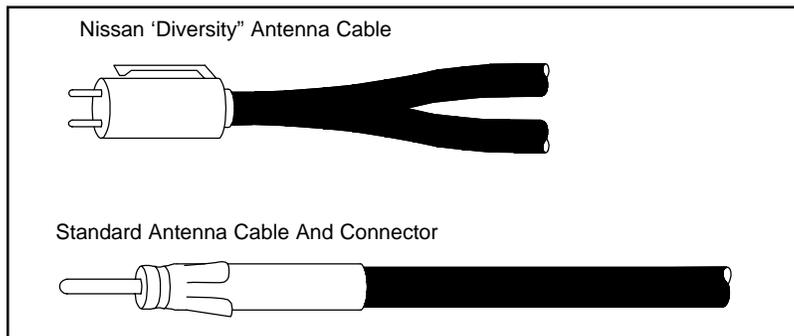
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▶ Wiring The New Radio

Move to: [Wire New Radio](#) Section

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.



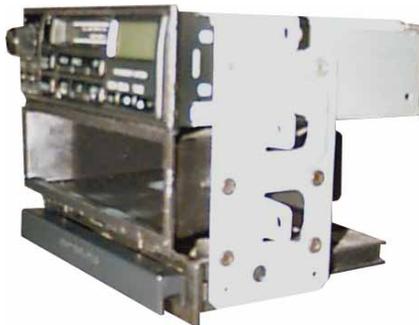
▶ Mounting The Radio

Move to: [Mounting New Radio](#) Section

The Install Doctor **STRONGLY** recommends purchasing a 'DIN' radio for this vehicle. 'DIN' radios are a direct replacement for the radio in this vehicle. More information is available in the **"Mounting New Radio"** section.

▶ Completing The Radio Installation

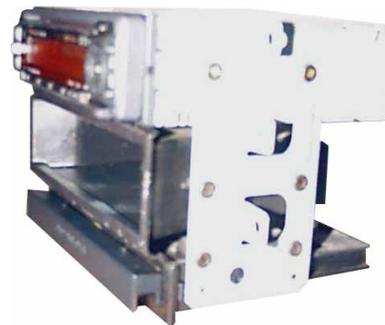
This information is shown in more detail in the **"Mounting New Radio"** section



STEP 1:

As shown in the **"Mount New Radio"** section, unscrew the Nissan radio from the brackets and pocket below the radio, leaving the pocket attached to the brackets.

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



STEP 2:

Insert and attach the new radio into the brackets. Depending upon the radio, you may be able to use these screws with the new radio, if not the new radio should have 4 screws packaged with it to allow you to mount the radio to brackets.

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

Radio Replacement

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STEP 3:

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 4:

Reattach the center plastic dash panel that surrounds the radio. Reattach the plastic panel surrounding the gear shift.

Reattach the lower dash panel below the steering column

The installation is now complete.

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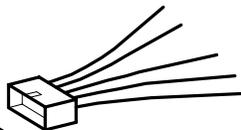
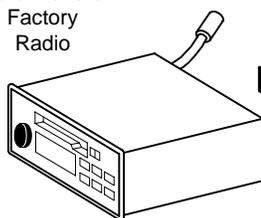
Mount
New Radio

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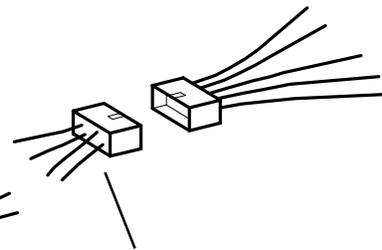
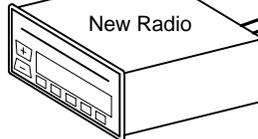
Step By Step Wiring

Page 1 of 2

Auto Makers
Factory
Radio



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



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

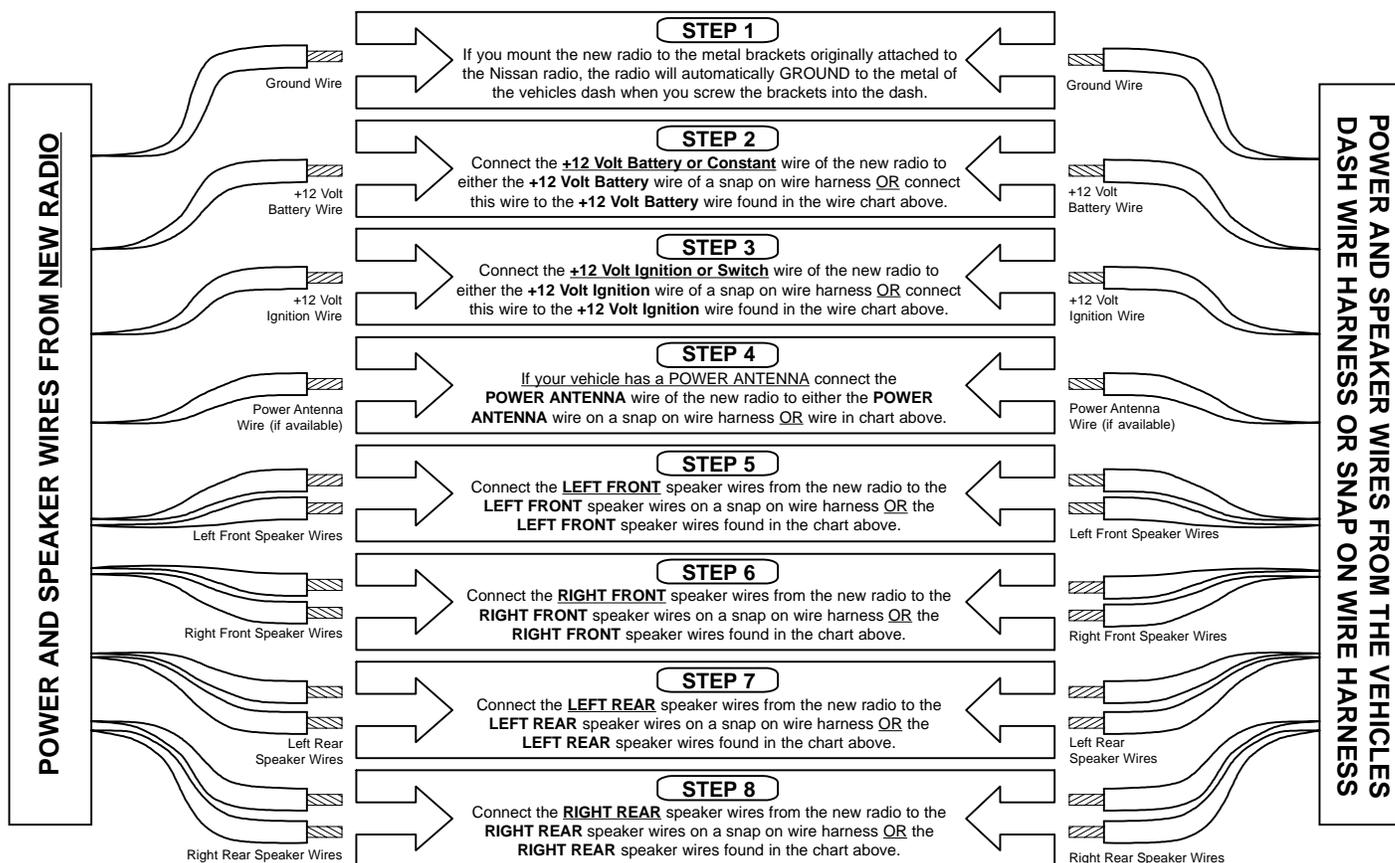
(Note: the radio shown is for display purposes and may not be similar in size or dimensions than the auto makers factory radio in your vehicle)

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.



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Remove & Install

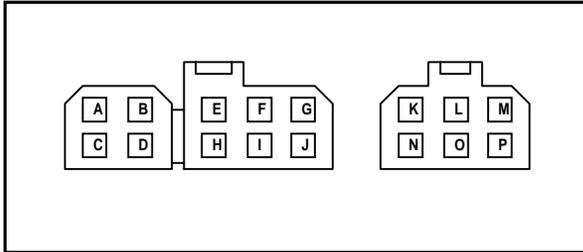
Wire New Radio

Mount New Radio

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▶ Radio Wire & Color Code Information

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



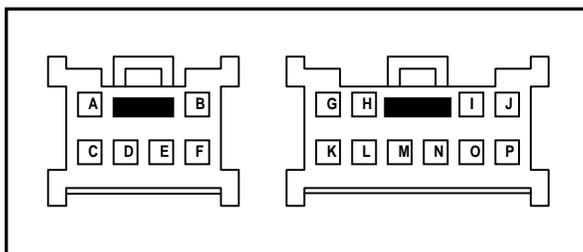
AS VIEWED FROM MATING END OF CONNECTOR

Nissan Wire Harnesses Up To 1995 Production Models

Pin	What It Is	Typical Factory Radio In Dash Wire Color	Typical New Radio Equivalent Wire Color
A	+12 Volt Ignition Wire	Blue	Red
B		Do Not Use	
C	Ground Wire	do not connect to this wire, see instructions	
D		Do Not Use	
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		Do Not Use	

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. **



AS VIEWED FROM MATING END OF CONNECTOR

Nissan Wire Harnesses 1995-1996 And Newer Production Models

Pin	What It Is	Typical Nissan In Dash Wire Color	Typical New Radio Equivalent Wire Color
A	Right Rear Speaker (+)	Gray	Purple
B	Amplifier Turn On Wire		Blue or Blue w/ White
C	Right Rear Speaker (-)	Gray w/ Red Stripe	Purple w/ Black Stripe
D	Left Rear Speaker (+)	Orange	Green
E	Left Rear Speaker (-)	Black w/ Pink Stripe	Green w/ Black Stripe
F	Amp Ground Wire	connect this wire to the radios ground wire	
G	+12 Volt Ignition Wire	Blue	Red
H		Do Not Use	
I	Right Front Speaker (+)	Brown	Gray
J	Left Front Speaker (+)	Purple	White
K	Ground Wire (if available)	metal brackets on radio	Black
L		Do Not Use	
M	+12 Volt Battery Wire	Pink	Yellow
N	Power Antenna Wire		Blue
O	Right Front Speaker (-)	Brown w/ White Stripe	Gray w/ Black Stripe
P	Left Front Speaker (-)	Green w/ Yellow Stripe	White w/ Black Stripe

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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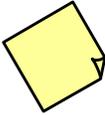
Remove & Install

Wire New Radio

Mount New Radio

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▶ Mounting A Radio



NOTE:

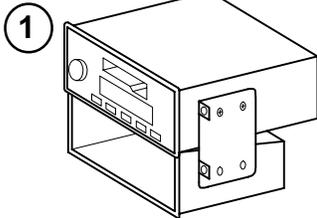
Before you begin: The best method to mount a new radio in this vehicle is to unscrew the auto makers factory radio from the brackets attached to the radio and screw the new radio into these brackets just as the factory radio was. This keeps the vehicle looking as stock from the factory as possible and 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:

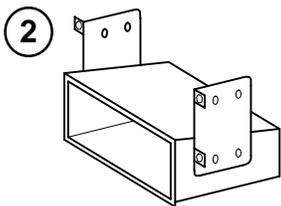
Document Title	Document #
Why use radio installation kits	999005
Mounting your radio to an installation kit	999007
Radio security	999010



Auto makers original radio with attached pocket below the radio

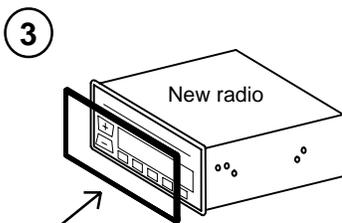
1 Remove the auto makers factory radio/pocket assembly from the vehicle. Remove the screws/bolts securing the radio to the brackets which are also attached to the sides of the pocket below the radio.

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.

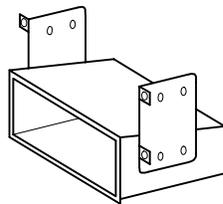


2 Remove the auto makers factory radio, but leave the brackets attached to the pocket.

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.

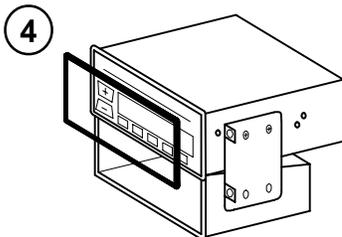


New radios removable trim ring surrounds the face of the radio

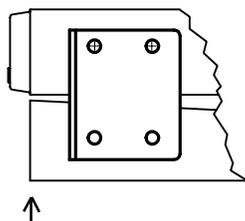


On the side of the new 'DIN' radio should be pre-drilled holes to allow you to screw the new radio into the brackets. Most car radio manufacturers design their radios with many holes on the side of the radio so the radio can be mounted to many different kinds of bracket/pocket configurations.

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.