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Before
You Begin

Remove
& Install

Wire
New Radio

Mount
New Radio

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Factory Radios

With Pocket Below Radio



With CD Player Below Radio - No Pocket



New 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.

Document Revision History

11/99 Document Creation
12/99 Photo Updates
02/2000 Year Update

Note:

These installation instructions are for Nissan Maximas that do **NOT** have a BOSE radio installed from Nissan.

For vehicles **WITH** the BOSE radio system installed, please consult Document 647022.

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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

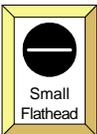
Parts Needed For This Radio Install

Parts REQUIRED for the install	Description
Snap on in dash wire harness	Nissan changed wire harness design for the 1995 production year. See next to last page for details.
Antenna adapter	Nissan "diversity" adapter
Optional parts for this install	
None	

Tools Needed To Complete This Install

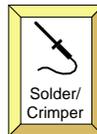


#2
Phillips

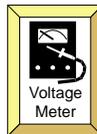


Small
Flathead

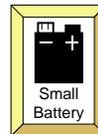
Hand tools needed
to remove radio



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

Advanced

Professional Installer

Intermediate

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



NOTE:

To original Nissan radio is mounted to a center dash assembly which contains not only the radio but air conditioner controls, and two pockets below the radio.

When replacing the radio, this entire assembly must be removed first, then the Nissan radio can be unscrewed and removed and a new replacement radio can be installed.



STEP 1:

Located directly above the air conditioner controls is a contoured plastic panel which contains the clock, hazard switch, defrost switch, and center dash air conditioner vents. This panel must be removed. This panel is snapped into the dash and is difficult to remove.

The Install Doctor recommends using a **flat head screwdriver** to unsnap this panel. Insert the tip of the flat head screwdriver between the lower right corner of the plastic contoured dash panel and the softer dash board. **SLOWLY**, pry the panel up. Continue this with all 4 corners of the contoured panel until it begins to unsnap and free from the main dash board assembly.



STEP 2:

Once the contoured plastic dash panel has loosened from the dash, grab the top of the panel (above the air vents) and pull firmly until the panel completely separates from the dash.



STEP 3:

Once the contoured dash panel has separated from the dash, pull the panel forward and turn it so you can see the connectors on the rear of the panel.

You should notice 3 connectors attached to the rear of the panel. Unplug all connectors.

Once the connectors have been unplugged, completely remove the contoured panel and set it aside.

(as seen in photo for STEP 4)



STEP 4:

Now that the upper dash panel has been completely removed, you will be able to see the screws that secure the top of the radio/air conditioner assembly.

Locate and remove two (2) **Phillips screws** (as seen in the photo above).

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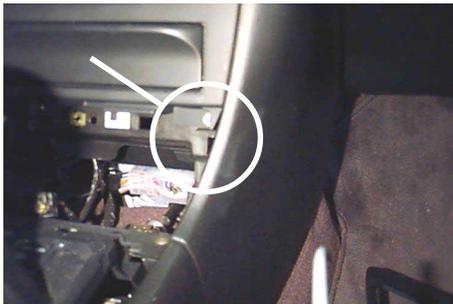
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STEP 5:

Move to the gear shift area. Surrounding the gear shift is a plastic panel which needs to be removed. This panel simply unsnaps from the center console. With your hands, pull one of the corners up to unsnap the lower part of this plastic panel. If you need assistance lifting up an edge, use a small flat head screwdriver and insert the tip between an edge in the plastic panel and the center dash console. If your vehicle has a standard transmission, the gear shift knob will unscrew and the leather cover should slide off.

Once the lower edges have been lifted up, pull the plastic panel towards the rear. The upper part of the plastic panel extends up, on each side of the ashtray. Pull the plastic panel until it completely separates from the center dash console. Unplug the plastic wire connector attached to the rear of the cigarette lighter.



STEP 7:

After the ashtray has been removed, the screws securing the lower right part of the radio/air conditioner assembly can be seen.

Locate and remove one (1) **phillips screw** that was hidden behind the ashtray.

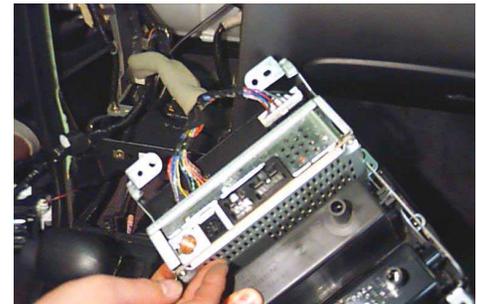
Locate and remove one (1) **phillips screw** on the opposite corner securing the lower left part of the radio/air conditioner assembly.



STEP 8:

All screws needed to remove the radio/air conditioner assembly have now been removed.

As seen in the photo above, pull the lower part of the radio/air conditioner assembly, then the upper part until the assembly pulls out of the dash.



STEP 9:

With the radio/air conditioner assembly pulled from the dash, turn the assembly so you can see the rear where the wiring is located.

Unplug the black cable connected to the rear of the radio. Unplug two (2) plastic connectors plugged into the rear of the radio.

Unplug three (3) connectors plugged into the rear of the air conditioner controls.

Unplug any other connectors plugged into any other accessory attached to the radio/air conditioner assembly.

The radio/air conditioner assembly can now be completely removed from the dash.

Move the assembly to a location where you will be able to remove the radio.

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Photo after radio/air conditioner assembly has been completely removed from the dash.



Photo of the radio/air conditioner assembly after being removed from the vehicle.

Radios With A CD Player Below The Radio Instead Of A Pocket:

The Install Doctor **STRONGLY recommends** that you convert your radio assembly over to the use of a pocket below the new radio. You can purchase an original pocket from a Nissan dealership or you can purchase a radio installation kit pocket from a local installation shop which is designed as an aftermarket equivalent to the Nissan pocket.

Using a pocket eliminates the need to use a radio installation kit to mount a new radio into this vehicle and keeps the appearance that the new radio was installed by the automaker.

► Wiring The New Radio

Move to: **Wire New Radio** Section

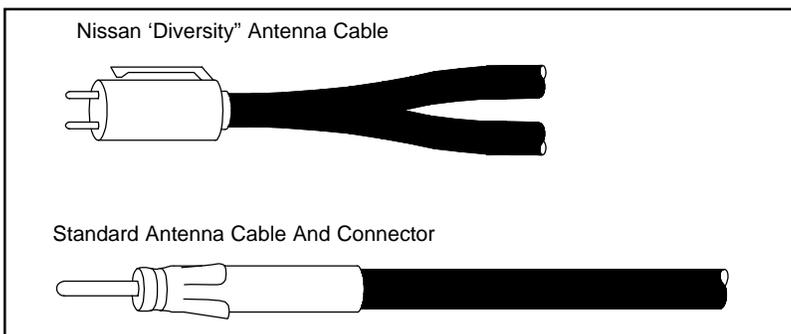
Required Nissan Antenna Adapter

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.



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▶ Completing The Radio Installation

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

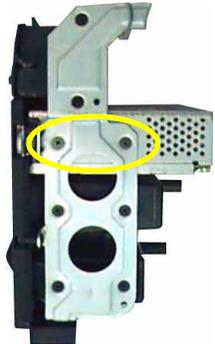
PROCEDURE:

As shown in the "Mount New Radio" section, these steps show you how to unscrew the Nissan radio from the brackets and pocket below the radio and mounting the new radio into the same brackets.

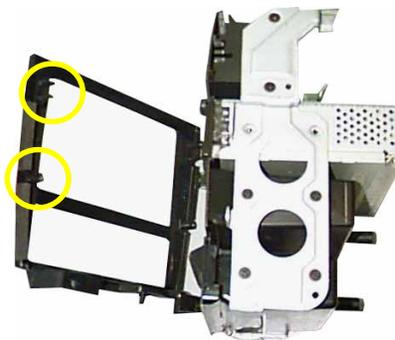
New radio attached to the metal brackets and pocket below the radio



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

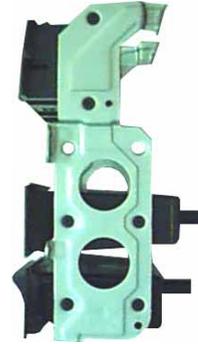


Side view showing two (2) phillips screws that secure the Nissan radio to the metal brackets.



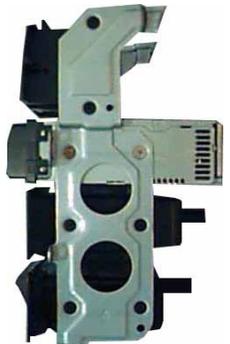
STEP 1:

Before you can remove the Nissan radio, square plastic trim bezel surround the front of the radio/air conditioner assembly must be removed. Locate and remove four (4) phillips screws, 2 on each side of the radio, that secure the plastic trim bezel to the metal brackets of the radio/air conditioner assembly.



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.



STEP 3:

Reattach the square plastic bezel surrounding the radio.

The radio/air conditioner assembly is now ready to be mounted back into the vehicles dash.



STEP 4:

Reconnect the 3 connectors attached to the rear of the air conditioner controls.

If this Nissan has the Nissan "Diversity" antenna cable, connect the Nissan Diversity Antenna Adapter to the end of the antenna cable in the dash. Plug the opposite end of the antenna adapter into the rear of the new radio.

Make sure all wiring for the new radio has been completed and connect any connectors to the rear of the new radio now.



STEP 5:

Reattach the contoured plastic panel at the top of the dash.

Reattach the plastic panel surrounding the gear shift area.

The Installation Is Now Complete.

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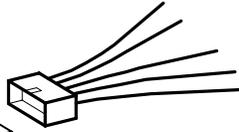
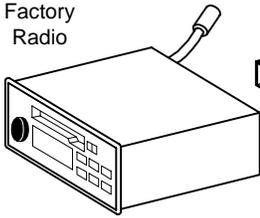
Mount
New Radio

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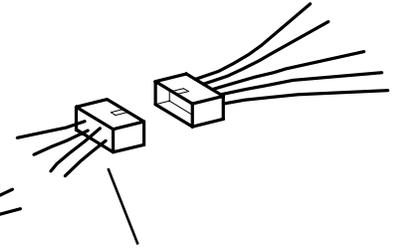
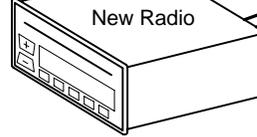
Step By Step Wiring

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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

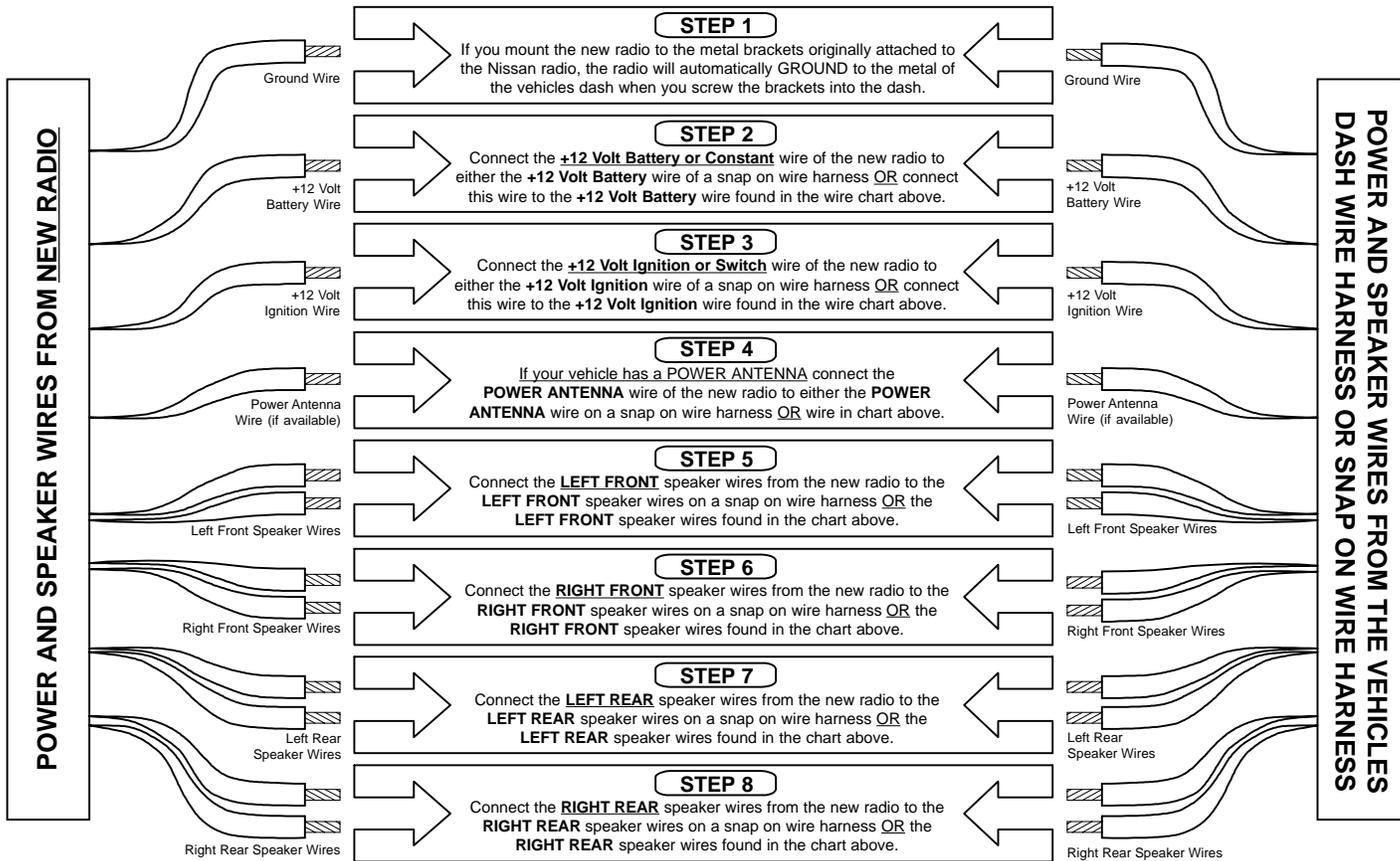
(Note: the radio shown is for display purposes and may not be similar in size or dimensions than the auto makers factory radio in your vehicle)

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.



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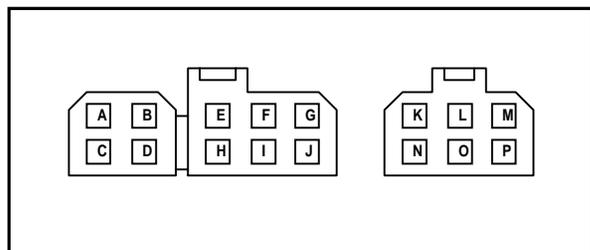
Mount
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▶ Radio Wire & Color Code Information

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



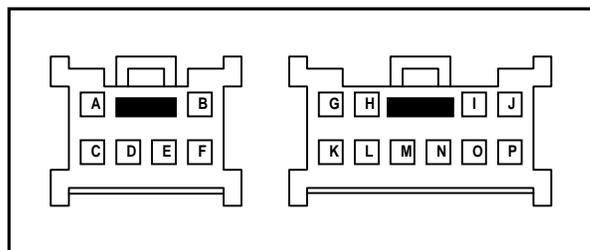
AS VIEWED FROM MATING END OF CONNECTOR

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 Rear 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

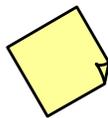
Nissan Wire Harnesses 1995-1996 And Newer Production Models

Pin	What It Is	Typical Nissan In Dash Wire Color	Typical New Radio Equivalent Wire Color
A	Right Rear Speaker (+)	Blue	Purple
B	Amplifier Turn On Wire		Blue or Blue w/ White
C	Right Rear Speaker (-)	Pink	Purple w/ Black Stripe
D	Left Rear Speaker (+)	Red	Green
E	Left Rear Speaker (-)	Green	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 (+)	Blue w/ White Stripe	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	Black w/ Red Stripe	Blue
O	Right Front Speaker (-)	Brown w/ White Stripe	Gray w/ Black Stripe
P	Left Front Speaker (-)	Blue 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. **

▶ Mounting A Radio



NOTE:

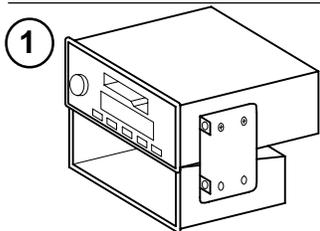
Before you begin: The best method to mount a new radio in this vehicle is to unscrew the auto makers factory radio from the brackets attached to the radio and screw the new radio into these brackets just as the factory radio was. This keeps the vehicle looking as stock from the factory as possible and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

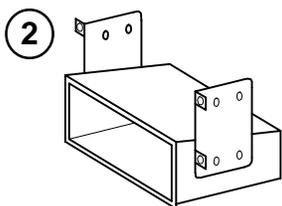
Document Title	Document #
Why use radio installation kits	999005
Mounting your radio to an installation kit	999007
Radio security	999010



Auto makers original radio with attached pocket below the radio

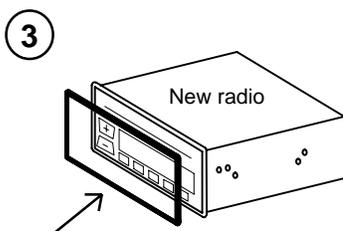
1 Remove the auto makers factory radio/pocket assembly from the vehicle. Remove the screws/bolts securing the radio to the brackets which are also attached to the sides of the pocket below the radio.

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.

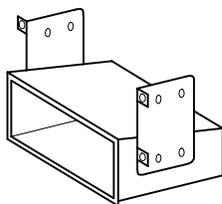


2 Remove the auto makers factory radio, but leave the brackets attached to the pocket.

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.

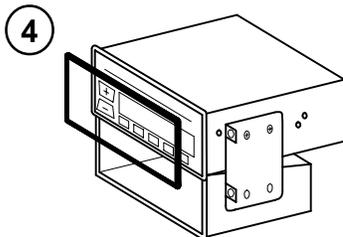


New radios removable trim ring surrounds the face of the radio

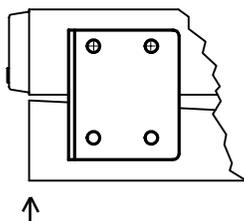


On the side of the new 'DIN' radio should be pre-drilled holes to allow you to screw the new radio into the brackets. Most car radio manufacturers design their radios with many holes on the side of the radio so the radio can be mounted to many different kinds of bracket/pocket configurations.

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.