

# Truck - Nissan Pathfinder - Nissan

Radio Replacement  
Document #: 647029

1995  
thru 1997

Click on a link  
tab to jump to  
that page

Cover  
Page

Before  
You Begin

Remove  
& Install

Wire  
New Radio

Mount  
New Radio

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## Factory Radio



## Other Documents Available For This Vehicle:

No documents available at this time

## New Radio Installed



## 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

01/2000 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

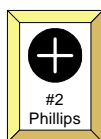
## ► Parts Needed For This Radio Install

Parts REQUIRED for the install	Description
Snap on wire harness adapter	Nissan 95 and newer harness

### Optional parts for this install

None

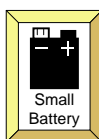
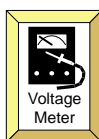
## ► Tools Needed To Complete This Install



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

## ► Remove Factory Radio



### STEP 1:

Locate and remove two (2) phillips screws located on the underside of the hangover of the dash panel between the air conditioner controls and the air conditioner vents.



### STEP 2:

Once the 2 screws have been removed, the plastic dash panel surrounding the radio can be removed. With your hands, grab and pull the top of the dash panel near the air conditioner vents. Once the top is unsnapped, continue until the bottom of the dash below the radio is unsnapped. Unplug the connectors attached to the rear of the cigarette lighter and hazard switch.



### STEP 3:

Once the plastic dash panel has been completely unsnapped from the dash, you will notice the radio and pocket below the radio. The radio and pocket are attached together as one unit by metal brackets secured to each side. To remove the radio/pocket assembly, you will have to locate and remove four (4) **Phillips screws** that secure the metal brackets to the dash.



### STEP 4:

Pull the radio out of the dash, unplug the black cable plugged into the rear of the radio. Unplug the white wire harness connector(s) plugged into the rear of the radio.

Pull the radio completely out of the dash.

## ► Wiring The New Radio

Move to: **Wire New Radio** Section

## ► 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 "**Mount New Radio**" section.

## ► Completing The Radio Installation

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



### STEP 1:

Remove the auto makers factory radio from the radio/pocket assembly, leaving the pocket attached to the brackets.



### STEP 2:

Insert and attach the new radio into the brackets. Depending upon the radio, you may be able to use the same screws to secure the new radio to the metal brackets. If the these screws will not work, the new radio should be packaged with screws to allow you to mount the radio to brackets.

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## **STEP 1:**

Once the new radio has been attached to the brackets and pocket, you can insert the radio/pocket assembly back into the dash.

Plug in the antenna cable into the rear of the new radio. Make sure all wire connections for the new radio have been completed and plug in any of the new radios connectors into the rear of the radio.

Insert the radio/pocket assembly back into the dash and secure the brackets with the same screws that had originally secured the auto makers factory radio.



## **STEP 2:**

Reattach the plastic dash panel surrounding the radio/pocket assembly. Secure the upper part of the plastic dash panel with the 2 phillips screws removed earlier.

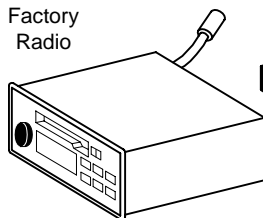
**The installation is now complete.**



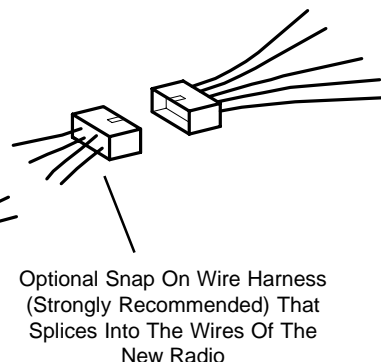
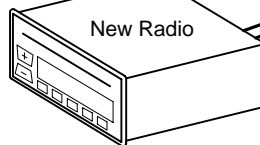
## ► Step By Step Wiring

## 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

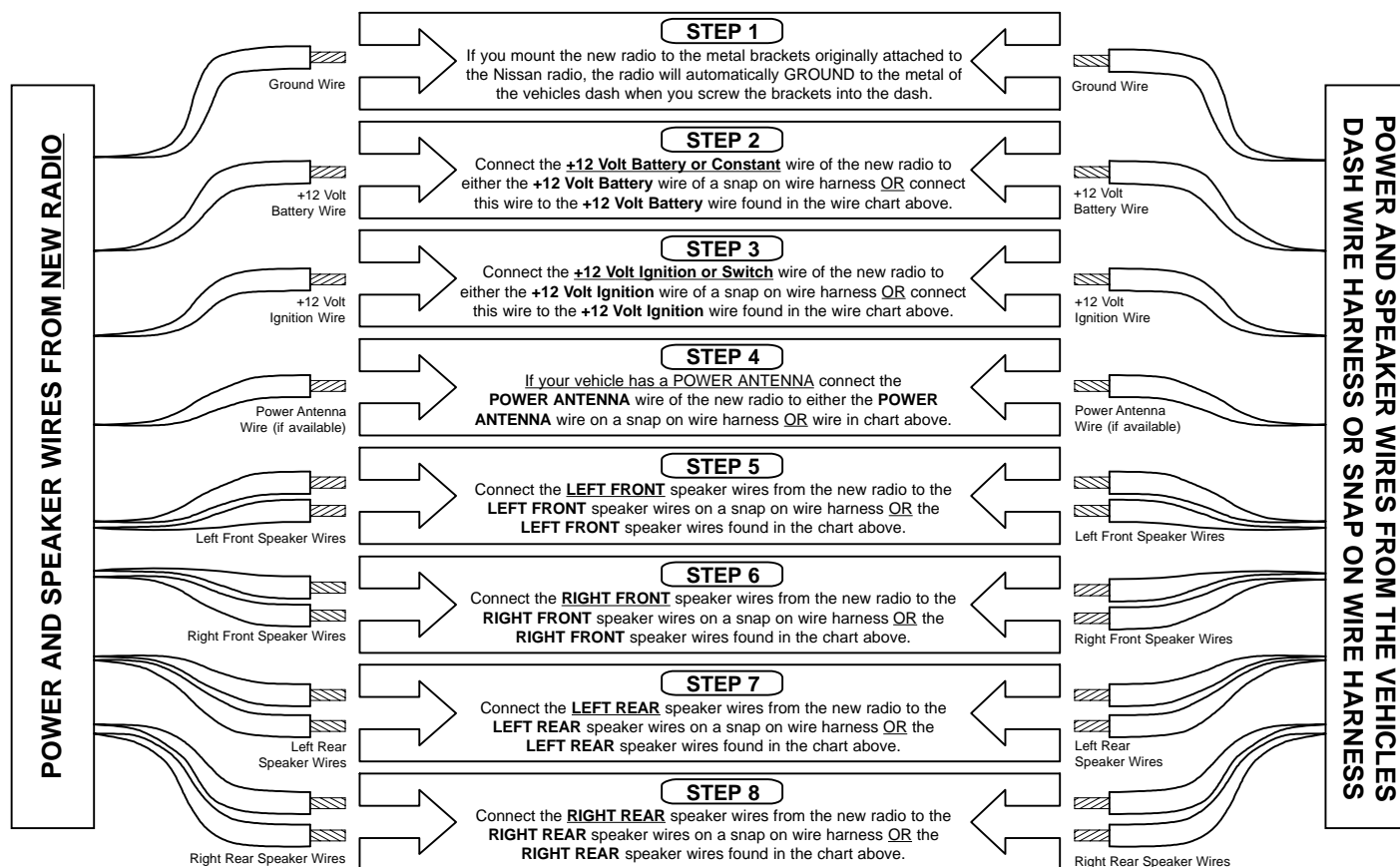
(Note: the radio shown is for display purposes and may not be similar in size or dimensions than the auto makers factory radio in your vehicle)

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:

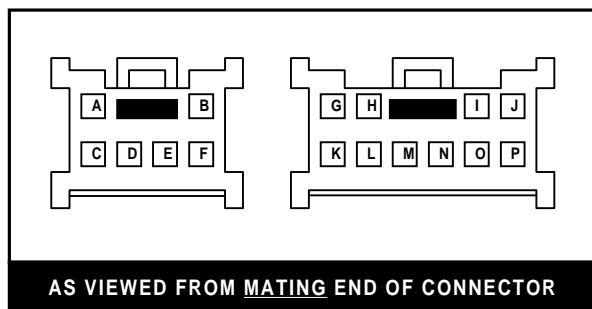
The power and speaker wires needed to connect the new radio are attached to the connector of the wire harness located inside the vehicles dash. The Install Doctor **STRONGLY** recommends using an optional snap on wire harness that is specifically designed to snap into the vehicles dash wire harness connector. 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.



## ▶ Radio Wire & Color Code Information

## Page 2 of 2

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



### Wiring Note:

Some Pathfinders may have a Nissan amplifier connected to the radio which powers the speakers in the vehicle.

Most professional installers will choose to “integrate” into this Nissan amplifier. To do this, you will wire your new radio the same as you would a vehicle without the Nissan amplifier. However, you will need to connect the new radios “power antenna wire” or “amplifier remote on wire” to the power antenna wire of the Nissan wire harness. This wire will turn the amplifier on/off when the radio turns on/ff. There is also one additional wire in the Nissan wire harness that needs to be connected. In the chart to the left, you will notice a wire labeled “Amplifier Ground”. This wire needs to be connected to the ground wire for the new radio.

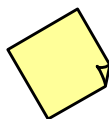
Connecting both of these wires correctly will allow you to “integrate” directly into the Nissan amplifier, simplifying your installation.

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

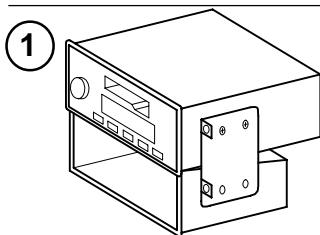
**Before you begin:** The best method to mount a new radio in this vehicle is to unscrew the auto makers factory radio from the brackets attached to the radio and screw the new radio into these brackets just as the factory radio was. This keeps the vehicle looking as stock from the factory as possible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

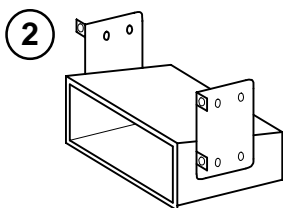
Document Title	Document #
Why use radio installation kits	999005
Mounting your radio to an installation kit	999007
Radio security	999010



Auto makers original radio with attached pocket below the radio

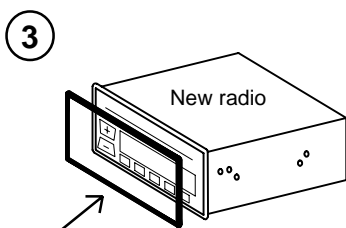
Remove the auto makers factory radio/pocket assembly from the vehicle. Remove the phillips screws securing the radio to the brackets which are also attached to the sides of the pocket below the radio.

**Removal Tip:** If your radio has hard to remove screws, insert the tip of the phillips screwdriver into each screw and firmly tap with a hammer to loosen the tension bond between the screws and the metal chassis of the auto makers factory radio. Then attempt to unscrew the screws.

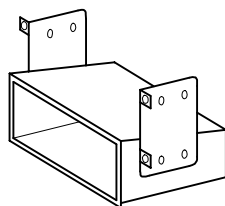


Remove the auto makers factory radio, but leave the brackets attached to the pocket.

**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.

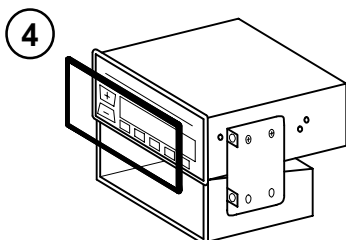


New radios removable trim ring surrounds the face of the radio

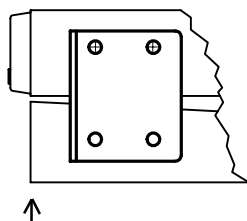


On the side of the new 'DIN' radio should be pre-drilled holes to allow you to screw the new radio into the brackets. Most car radio manufacturers design their radios with many holes on the side of the radio so the radio can be mounted to many different kinds of bracket/pocket configurations.

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.