

Radio Replacement **1996**
Document #: 327101 thru **1999**

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Before
You Begin

Remove
& Install

Wire
New Radio

Mount
New Radio

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Factory Radio



New Radio

and dash installation kit



Other Documents Available For This Vehicle:

No other 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.
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Document Revision History

07/99 Document Creation
09/99 Revised
12/99 Photo Updates

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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	Step By Step

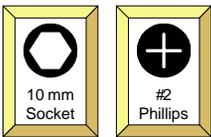
► Parts Needed For This Radio Install

Parts REQUIRED for the install	Description
Dash installation kit	Multi purpose Dodge/Chrysler (see drawing of kit next page)
Snap on in dash wire harness	Dodge/Chrysler/Plymouth

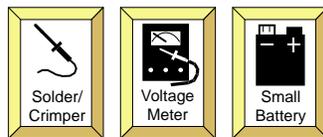
Optional parts for this install

None

► Tools Needed To Complete This Install



Hand tools needed
to remove radio



Accessory tools needed to test and
wire the new radio

PLUS: Wire ties or electrical tape: to neatly bundle and organize your wires for a professional appearance.

! 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.

► 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 OEM 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:

The plastic dash panel surrounding the radio must be removed. This dash panel simply unsnaps from the main dash panel. The best way to unsnap this trim dash panel is to insert a small flat head screwdriver or a hook tool between the radio trim dash panel and the softer main dash panel. Slowly and carefully begin to pull the radio trim dash panel out to unsnap.



STEP 2:

The radio is held in with (2) two **10 mm bolts**. Remove both and pull the radio to free it from the dash. Unplug both dash wire harnesses that snap into the rear of the radio. Unplug the antenna wire. If your vehicle has the "INFINITY" radio system installed, you will need to unplug the single wire connector attached to the rear of the radio. Pull the radio out of the dash.



▶ Wiring The New Radio

Move to: **Wire New Radio** Section

Is your radio or speakers marked or labeled with "INFINITY" ?

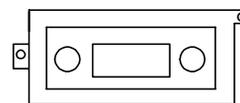
What about the "Infinity" radio that was originally installed from the factory? What happens to it?

The "Infinity" radio in the vehicle will be removed, but you are going to use the rest of the "Infinity" components still in the vehicle. When you wire the radio, you are going to wire the radio just as you would for a standard radio that would be in this vehicle, but you are going to make one minor change to the new radios ground wire. Standard radios in this vehicle NOT have a ground wire for the radio, but the Infinity radios do. The new radios ground wire is going to be plugged into the plastic connector that had originally been plugged into the rear of the Infinity radio. This connector is a ground wire to an "Infinity" amplifier which is located away from the radio. When you plug the new radios ground wire into this ground wire for the "Infinity" amplifier, the "Infinity" amplifier will turn on and power the speakers inside the vehicle. In other words, connecting these 2 ground wires together allows you to "integrate" into the "Infinity" amplifier, just as the original "Infinity" radio had integrated into it.

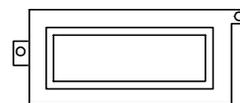
The wiring steps are detailed in the "**Wire New Radio**" section

▶ Mounting The Radio To A Kit

Move to: **Mounting New Radio** Section

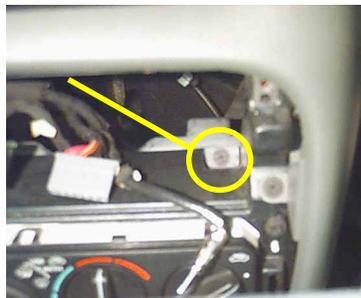


Installation kit for "shafted" radios



Installation kit for "DIN" style radios

► Completing The Radio Installation



STEP 1:

There is **NO GROUND** wire in the wire harness connector for this vehicle for standard radios (Infinity radios do - see NOTE in the "Wire New Radio" section regarding "inity" radios).

You will need to ground the new radio to metal somewhere in the vehicles dash.

As seen in the photo above there are phillips screws that are located inside the opening in the dash for the radio. Attach a ring connector to the new radios ground wire and insert the ring connector under one of the phillips screws inside the dash. This will ground the radio properly.



STEP 2:

Insert the radio/kit assembly into the dash opening. Plug in the antenna cable into the rear of the new radio. Make sure all wire connections to the new radio have been completed and connect any connectors to the rear of the new radio.

Secure the radio installation kit with the two **(2) 10mm bolts** that had originally secured the factory radio.



STEP 3:

Reattach the plastic dash panel that surrounds the radio and air conditioner controls.

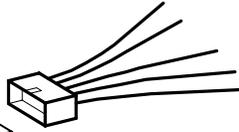
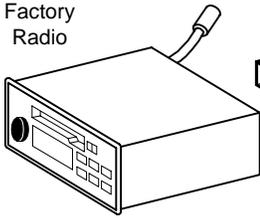
The installation is now complete.

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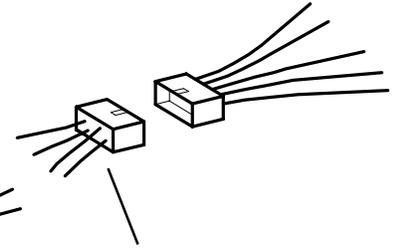
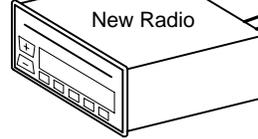
► **Step By Step Wiring**

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

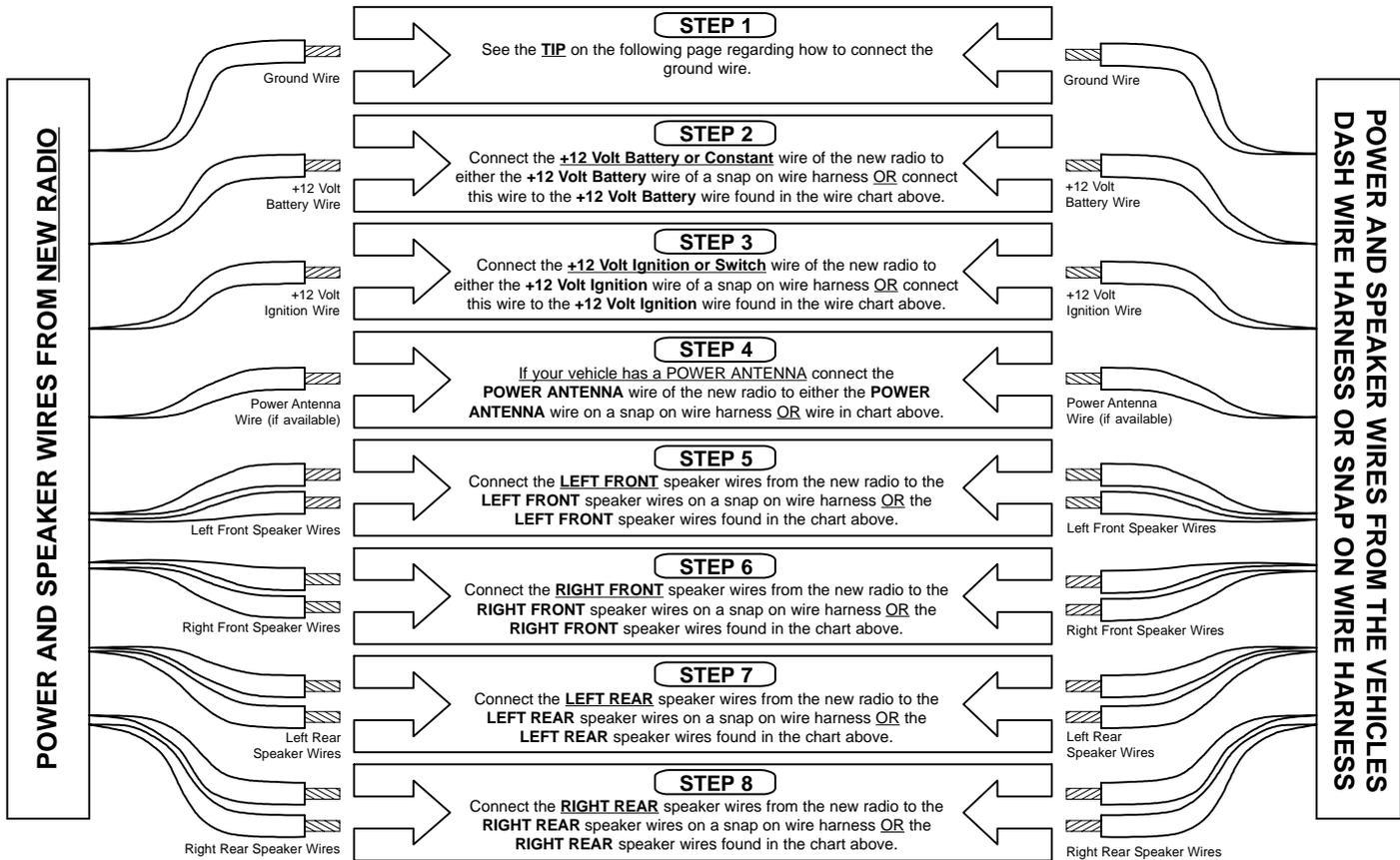
(Note: the radio shown is for display purposes and may not be similar in size or dimensions than the auto makers factory radio in your vehicle)

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

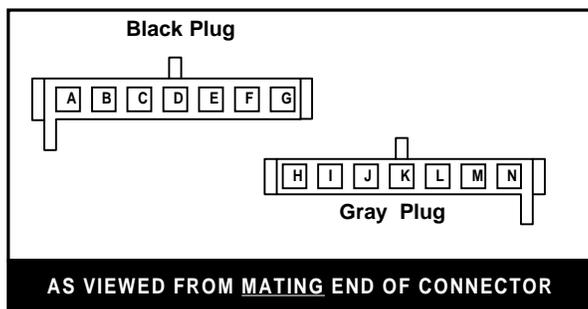
Wiring Instructions:

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 tell you what each wire is.



▶ Radio Wire & Color Code Information

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



Installation Note:

This vehicle does not attach a ground wire to the wire harness connectors that plug into the rear of the factory radio. Typically, Dodge/Chrysler/Plymouth vehicles attach a ground wire directly to the rear of factory radio and when installing a new radio you can connect the new radios ground wire directly to this ground wire.

However, this vehicle was designed with 2 metal tabs attached to the inside of the vehicles dash above the radio which "rub" the top of the factory radio. Since this is metal to metal contact it is enough to ground the factory radio. When installing a new radio these metal tabs will not touch the metal chassis of the new radio. This means that you will have to find a new ground for the new radio.

As show in STEP 1 of the "Completing New Radio Installation" section, there are 2 phillips screws located inside the dash opening for the radio that would normally be located and hidden below the factory radio if it were installed. After removing the factory radio, these screws become visible and accessible with a simple phillips screwdriver.

Attach a ring connector to the new radios ground wire and unscrew one of the phillips screws. Slide the ring connector under the phillips screw and tighten the screw down. This screw connects directly to the metal chassis of the vehicles dash and is a very good ground for the new radio.

Pin	What It Is	Typical Dodge/Chrysler In Dash Wire Color	Typical New Radio Equivalent Wire Color
A	Right Rear Spkr (-)	Blue w/ White Stripe	Purple w/ Black Stripe
B	Left Rear Spkr (-)	Brown w/ Yellow Stripe	Green w/ Black Stripe
C	Right Front Spkr (+)	Purple	Gray
D	Left Front Spkr (+)	Dark Green	White
E	Right Rear Spkr (+)	Blue w/ Orange Stripe	Purple
F	Left Rear Spkr (+)	Brown w/ Blue Stripe	Green
G	Power Antenna/Amp	White (use for Infinity Radio)	Blue
H	+12 Volt Battery Wire	Pink or Pink w/ White Stripe	Yellow
I	+12 Volt Ignition Wire	Red w/ White Strip	Red
J	Radio Dimmer Wire	Do Not Use	
K	Headlight Dimmer Wire	Do Not Use	
L	Right Front Spkr (-)	Blue w/ Red Stripe	Gray w/ Black Stripe
M	Left Front Spkr (-)	Brown w/ Red Stripe	White w/ Black Stripe
N	No Wire		
Metal Braid Or Plastic Connector Attached To Back Of Radio Is The Ground Wire			Black (see TIP)

If your original radio or speaker grills were labeled or marked with 'INFINITY'

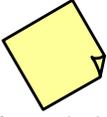
TIP: Crimp a male tab spade to the new radios ground wire. Slide it into the female tab spade connector that had originally snapped into the rear of the factory radio to activate the 'Infinity' sound system.

Vehicles WithOUT the 'INFINITY' radio system installed

TIP: Crimp a ring terminal to the new radios ground wire and connect this ring terminal to a phillips screw inside the vehicles opening in the dash for the radio. See STEP 1 in the "Completing New Radio Installation" section.

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▶ Mounting A Radio To A Dash Kit



NOTE:

Before you begin: A word about the radio installation kit you are about to install. There are many manufacturers of radio installation kits for this vehicle. Each manufacturer produces slightly different variations of the same kit, and a few make individual kits for specific vehicles. The pictured installation kit shown in the illustrations below is a standard kit used for many Dodge/Chrysler/Plymouth vehicles. Radio installation kits change with the model and years of production of the vehicle. When selecting a kit for this vehicle, make sure the kit you purchase states on the package the installation kit will work with your vehicle model and year. Some kits may require additional setup. Certain kits may be multi function kits designed to work with multiple vehicles and may require the installer to remove break away screw mounting tabs attached to the kit that are not required for your particular vehicle.

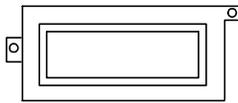
All information needed to complete the mounting of the new radio to the installation kit is included on this sheet. If you need additional help, please consult the following tech documents:

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

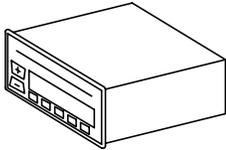
'DIN' Radios (Rectangular Body Style)

What you need to mount your radio

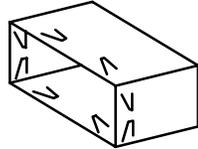


Installation dash kit for 'DIN' (rectangular body style) radios

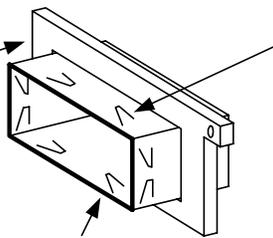
New Radio



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)

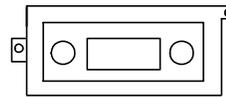


When the installation sleeve is fully inserted and the front edge or lip is seated against the front face of the installation kit, bend the tabs of the installation sleeve behind the rear surface of the installation kit to secure the installation sleeve. Bending the tabs secures the sleeve to the kit.

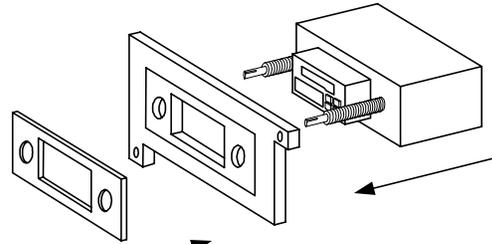
Front edge or lip of installation sleeve. Slide installation sleeve into the mounting kit until the front edge or lip meets the installation kit.

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.