

Factory Radio



Other Documents Available For This Vehicle:

No documents available at this time

New Radio



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

09/99 Document Creation
02/2000 Year Update

► Remove Factory Radio



STEP 1:

The radio is secured to the frame of the vehicles dash with screws located behind the plastic dash panel surrounding the radio.

This plastic dash panel unsnaps from the body of the vehicles dash.



STEP 2:

The bottom of the plastic dash panel, just below the bottom of the pull out cup holder, can be lifted up. With you fingers, gently pull one of the lower corners, followed by the other to free the lower part of the plastic dash panel from the body of the vehicles dash. To remove the top of the plastic dash panel, pull the dash panel down to free the tabs at the top of the panel that are hidden behind main dash assembly.



STEP 3:

Unplug the white connector attached to the defrost switch. Pull the plastic dash panel away from the dash.

The radio is now visible. The radio is attached to metal brackets as one piece with the pocket/tray, ashtray, and pull out cup holder. To remove the entire assembly, remove four (4) **phillips screws / 8mm bolts** that secure the metal brackets to the dash. Once the phillips screws / 8mm bolts have been removed, pull the entire radio/pocket/cup holder assembly from the dash.



STEP 4:

Unplug the antenna cable from the rear of the radio. Unplug 2 connectors attached to the rear of the radio. Disconnect the connectors attached to the rear of the cigarette lighter.

Once all connectors have been disconnected, pull the entire radio/pocket/cup holder assembly out of the dash.

► Wiring The New Radio

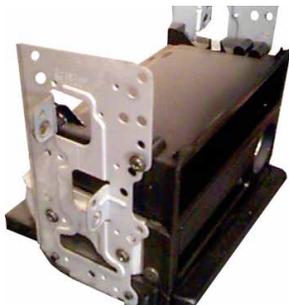
Move to: **Wire New Radio** Section

► Mounting The Radio Options

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 Toyota radio in this vehicle. More information is available in the "**Mounting New Radio**" section.

► Completing The Radio Installation



STEP 1:

The radio is secured to the brackets of the radio/pocket/cup holder assembly with four (4) phillips screws / 8mm bolts, 2 on each side of the radio.

Remove all 4 screws and pull the radio out of the brackets.

Note: notice that the face of the radio is flush or level with the pocket below it. This is important to remember when mounting the new radio in latter steps.



STEP 2:

The new replacement radio can be inserted into the brackets in the same location that the auto makers factory radio was mounted.

This information is shown in more detail in the **"Mount New Radio"** section at the end of this document.



STEP 3:

Once the new replacement radio has been attached to the radio/pocket/cup holder assembly, reinstall the entire assembly back into the dash.

Reattach the connectors on the rear of the cigarette lighter. Plug in the antenna cable to the rear of the radio. Make sure all wire connections to the radio have been completed and plug in any connectors to the rear of the radio.

Secure the brackets with the same phillips screws / 8mm bolts that had originally secured the auto makers factory radio.



STEP 4:

Connect the white connector to the defrost switch on the plastic dash panel.

Reattach the plastic dash panel, top first, then snap in the bottom.

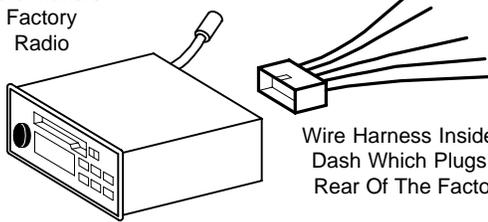
The radio installation is now complete.

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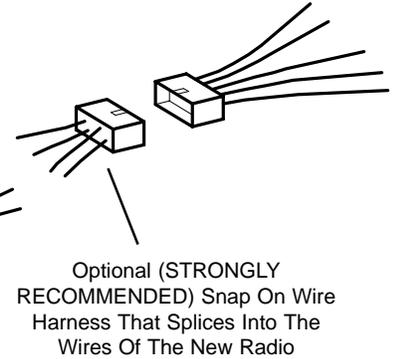
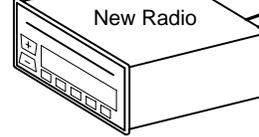
Step By Step Wiring

Page 1 of 2

Auto Makers
Factory
Radio



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



Optional (STRONGLY
RECOMMENDED) Snap On Wire
Harness That Splices Into The
Wires Of The New Radio

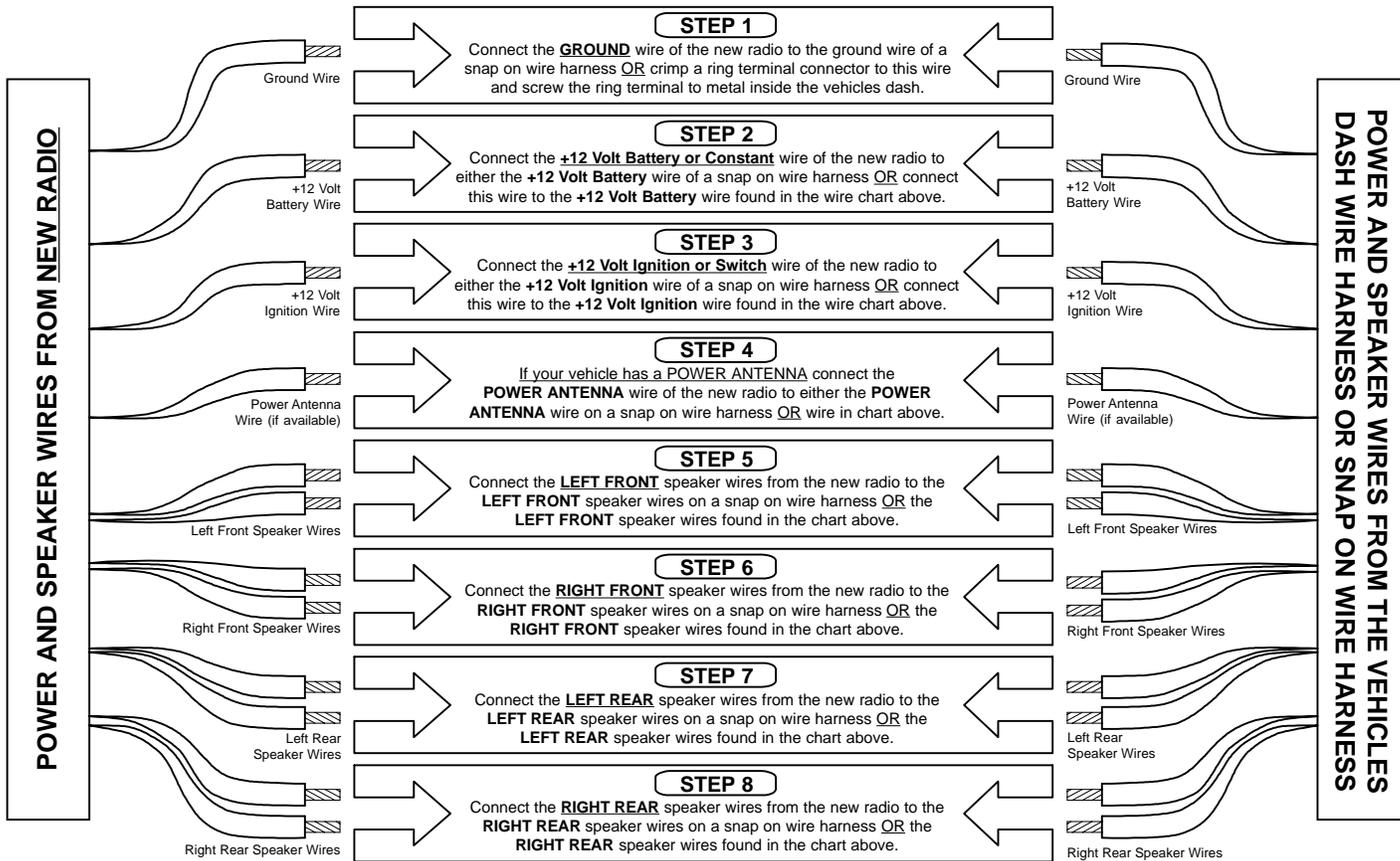
(Note: the radio shown is for display purposes and may not be similar in size or dimensions than the auto makers factory radio in your vehicle)

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

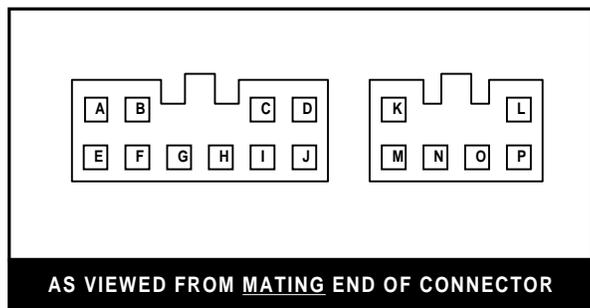
Wiring Instructions:

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

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



Pin	What It Is	Typical Toyota In Dash Wire Color	Typical New Radio Equivalent Wire Color
A	Right Front Speaker (+)	Green	Gray
B	Left Front Speaker (+)	Pink	White
C	+12 Volt Ignition Wire	Gray	Red
D	+12 Volt Battery Wire	Blue w/ Yellow Stripe	Yellow
E	Right Front Speaker (-)	Blue	Gray w/ Black Stripe
F	Left Front Speaker (-)	Purple	White w/ Black Stripe
G	Ground Wire	Black	Black
H	Power Antenna Wire 1		Blue (join wires 1 & 2
I	Power Antenna Wire 2		together to this blue wire)
J		Do Not Use	
K	Right Rear Speaker (+)	Red	Purple
L	Left Rear Speaker (+)	Black	Green
M	Right Rear Speaker (-)	White	Purple w/ Black Stripe
N		Do Not Use	
O		Do Not Use	
P	Left Rear Speaker (-)	Yellow	Green 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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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 the 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.

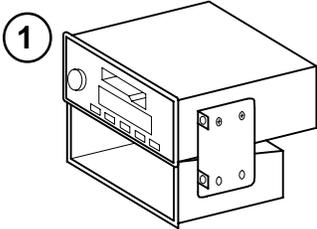
This method is called **"ISO" mounting a radio**. "ISO" mounting a radio has become a very common installation method for new replacement radio. In order to "ISO" mount your radio, three things must exist:

- 1) The radio must be a 'DIN' style rectangular radio
- 2) The 'DIN' radio must have mounting holes pre-drilled into the side of the radio to allow the radio to be 'ISO' mounted
- 3) The radio must have a removable trim ring surrounding the face of the radio

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

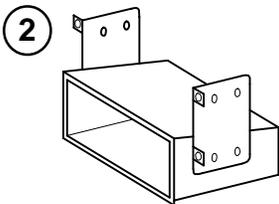
In addition to the radio and pocket/tray, this particular Toyota has an astray/cup holder attached to the metal brackets below the pocket/tray. The illustrations shown here show you all the information you need to mount a new radio to the metal brackets even though it does not show the astray/cup holder below the pocket.



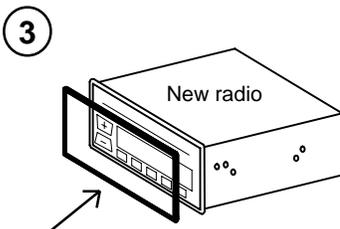
Auto makers original radio with attached pocket below the radio

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.

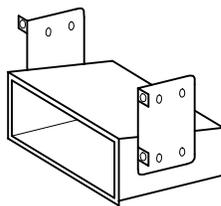
Removal Tip: some auto makers use phillips screws, some use 8 mm bolts with phillips screw cutouts in the top of the bolts. For best results use a socket to prevent stripping out the screws. If your radio has hard to remove phillips screws, insert the phillips screwdriver into the phillips screws and firmly tap with a hammer to "break" 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.

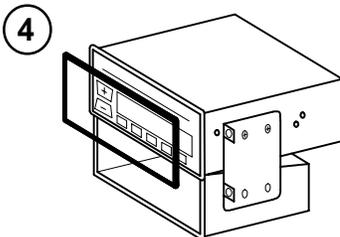


New radios removeable trim ring surround the face of the radio

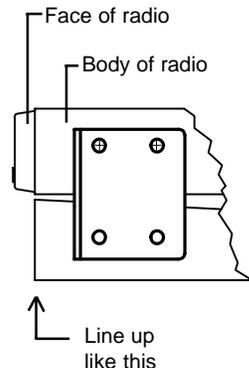


On the side of the new 'DIN' radio should be pre-drilled holes to allow you to 'ISO' mount the new radio into the brackets. Most car radio manufacturers design their radios with many holes on the side of the radio so the radio can be mounted to many different kinds of bracket/pocket configurations.

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



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 (or even faces that detach from the body). 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.

(if the radio does have a detachable face, and the front of the detachable face is lined up with the pocket there will be a large gap when the face is detached from the body. If the body is lined up with the pocket and the face is detached, the body will still be lined up with the pocket and there will be no gap.)