

Factory Radio



Other Documents Available For This Vehicle:

No other 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
12/99	Updated

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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

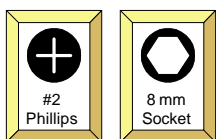
Parts Needed For This Radio Install

Parts REQUIRED for the install	Description
Snap on in dash wire harness	99 and newer Isuzu harness

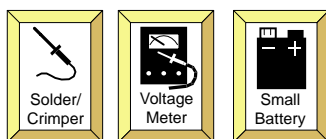
Optional parts for this install

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

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► Remove Factory Radio



STEP 1:

Slide out the ashtray. The metal ashtray inside the slide out arm can be pulled out. Pull the metal tray out of the slide out tray. Once the metal tray is removed, a single phillips screw hidden behind the metal tray can now be seen. Locate and remove one (1) **phillips screw**. (in the photo above, the entire slide out tray is removed for photo clarity.)



STEP 2:

The plastic dash panel around the radio must be removed. Once the screw has been removed in STEP 1 the dash panel can be removed. The dash simply snaps into the body of the dash at the top of the plastic panel. To unsnap the panel, pull the bottom of the plastic panel until it unsnaps from the main body of the dash.



STEP 3:

The radio is held in with (4) four **phillips screws**, two (2) on each side of the radio. Remove all screws. The radio is attached to the pocket below the radio. Pull the entire radio/pocket assembly out of the dash. Unplug the antenna cable from the rear of the radio. Unsnap 1 connector from the rear of the radio. The radio can now be removed.

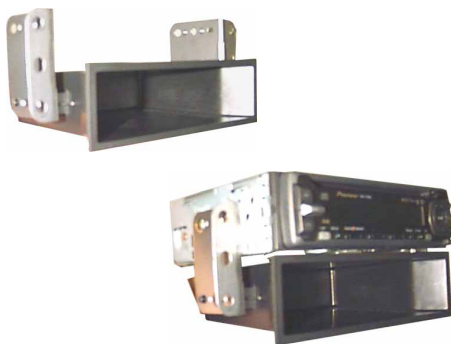
► Wiring The New Radio

Move to: **Wire New Radio** Section

► Mounting The Radio To A Kit

Move to: **Mounting New Radio** Section

► Completing The Radio Installation



STEP 1:

The radio secured to the pocket below the radio with metal brackets on each side of the radio. Locate and remove four (4) **brass colored phillips screws**, two (2) on each side of the radio. Once the screws have been removed, the radio can be pulled from the radio/pocket assembly. Insert the new radio into the same location and secure the new radio with screws provided with the new radio.



STEP 2:

The new radio/pocket assembly can now be mounted back into the dash.

Plug the antenna cable into the new radio. Make sure all wiring for the new radio has been completed. Insert the radio/pocket assembly into the dash and secure the metal brackets with the same four (4) screws that had originally secured the factory radio.



STEP 3:

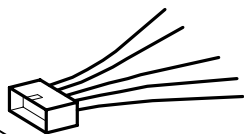
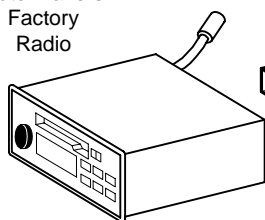
The radio dash panel may now be attached back to the main dash. Snap the plastic panel back onto the dash. Secure the lower dash with the single phillips screw removed earlier.

The installation is now complete.

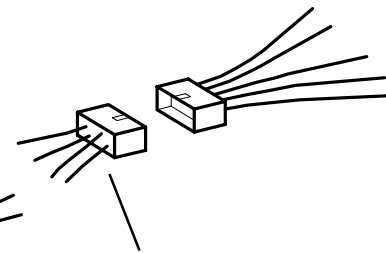
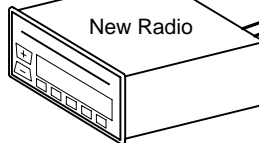
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► **Step By Step Wiring**

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

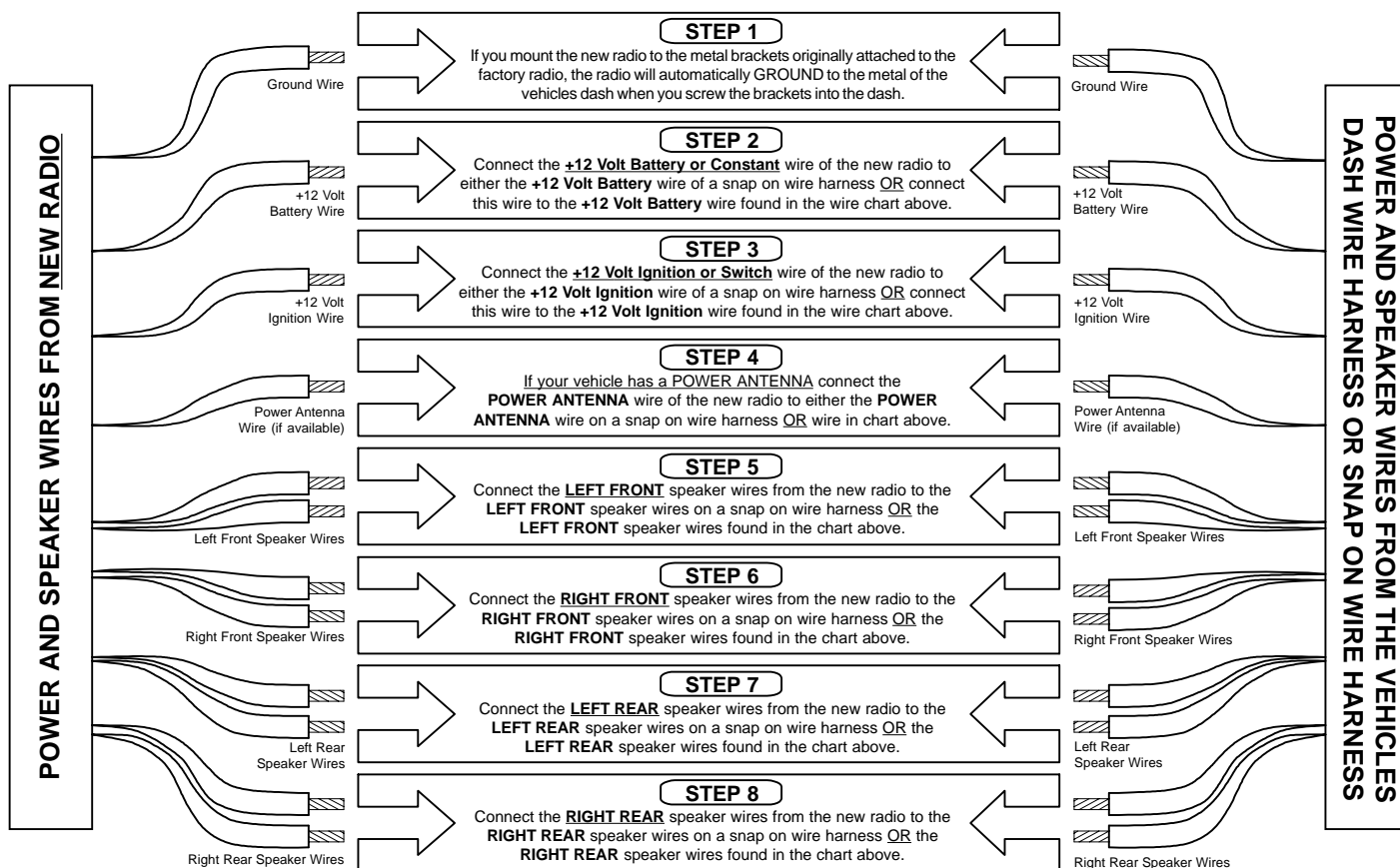
(Note: the radio shown is for display purposes and may not be similar in size or dimensions than the auto makers factory radio in your vehicle)

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

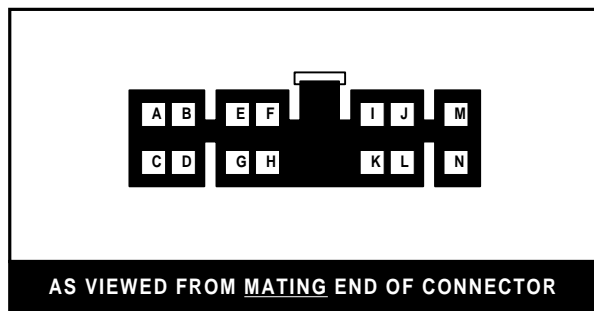
Wiring Instructions:

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 connector that snaps into the auto makers factory radio

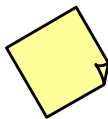


Pin	What It Is	Typical Isuzu In Dash Wire Color	Typical New Radio Equivalent Wire Color
A	Left Rear Spkr (+)	Orange	Green
B	Right Rear Spkr (+)	Orange w/ Blue Stripe	Purple
C	Left Rear Spkr (-)	White	Green w/ Black Stripe
D	Right Rear Spkr (-)	Orange w/ White Stripe	Purple w/ Black Stripe
E		Not Used	
F	+12 Volt Ignition Wire	Red w/ Yellow Stripe	Red
G	Ground Wire	Black or Metal Brackets	Black or Metal Brackets
H		Not Used	
I		Not Used	
J	Left Front Spkr (+)	Blue	White
K	+12 Volt Battery Wire	Red w/ White Stripe	Yellow
L	Left Front Spkr (-)	Yellow	White w/ Black Stripe
M	Right Front Spkr (+)	Green	Gray
N	Right Front Spkr (-)	Gray	Gray 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:

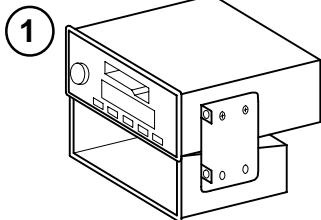
Before you begin: The best method to mount a new radio in this vehicle is to unscrew the auto makers factory radio from the brackets attached to the radio and screw the new radio into these brackets just as the factory radio was. This keeps the vehicle looking as stock from the factory as possible and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

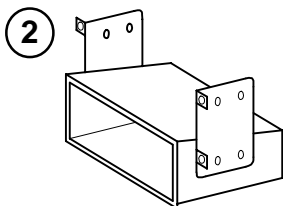
Document Title	Document #
Why use radio installation kits	999005
Mounting your radio to an installation kit	999007
Radio security	999010



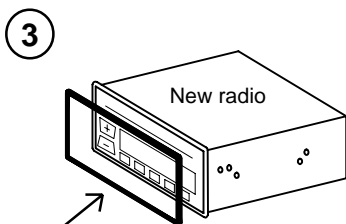
Auto makers original radio with attached pocket below the radio

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.

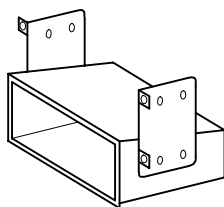
Removal Tip: some auto makers use phillips screws, some use 8 mm bolts with phillips screw cutouts in the top of the bolts. For best results use a socket to prevent stripping out the screws. If your radio has hard to remove phillips screws, insert the tip of the phillips screwdriver into each phillips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

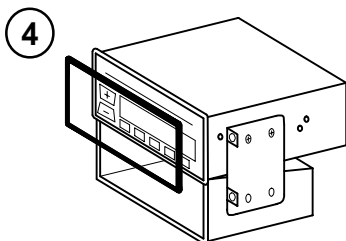


New radios removable trim ring surrounds the face of the radio

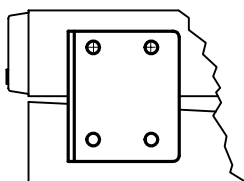


On the side of the new ‘DIN’ radio should be pre-drilled holes to allow you to screw the new radio into the brackets. Most car radio manufacturers design their radios with many holes on the side of the radio so the radio can be mounted to many different kinds of bracket/pocket configurations.

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.